Canon

Windows

Communication Software for the Camera

EOS Utility

Ver. 2.3

1Ds Mk III | 1D Mk III | 40D | REBELXSi | 450D

Instruction Manual

Content of this Instruction Manual

- EU is used for EOS Utility.
- Camera model is displayed as an icon.
  Example: EOS-1D Mark III → 1D Mk III
- displays the relevant camera model.
- In this manual, the windows used in the examples are from Windows XP.
- The selection sequence of menus is displayed in ▶ procedures.
  (Example: Select the [Window] menu ▶ [Main Window].)
- Square brackets are used to indicate items such as menu names, button names and window names that appear on the computer screen.
- Text inside < > indicates a camera switch name or icon, or a keyboard key name.
- ** indicates a reference page.
  Click to move to the relevant page.
- : Marks information that should be read before use.
- : Marks additional information you may find helpful.

Switching Between Pages

- Click on arrows on the bottom right of the screen.
  - : next page
  - : previous page
  - : return to a page you had previously displayed
- Click on the chapter headings on the right side of the screen to switch to the contents page of that chapter. Also, click the item you want to read about on the table of contents to move to the relevant page.

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Introduction

EOS Utility (hereinafter EU) is software for communication with your EOS DIGITAL camera. By connecting the camera and computer with the cable provided with the camera, you can download to your computer images saved in the camera's memory card as well as set various camera settings or shoot remotely from EU on your computer.

Main Features of EU

From EU, you can control the camera remotely and perform the following main features.

- **Batch download to your computer images saved in the camera's memory card.**
  - You can also download to your computer only images you have selected.
- **Set various camera settings from your computer.**
- **Shoot remotely by controlling the camera from your computer.**
  - Remote Live View shooting – Shoot while checking your subject in real time on your computer.
  - You can also shoot remotely by operating the camera's shutter button.
  - Preset a time allowing the camera to shoot automatically with timer shooting.
- **When downloading images or shooting remotely, view/check images with the linked Digital Photo Professional.**

System Requirements

OS	Windows Vista*1 Windows XP Professional/Home Edition*2 Windows 2000 Professional*3	
Computer	PC with one of the above OS preinstalled and a USB port as a standard feature (Upgraded machines not supported) * .NET Framework 2.0 or later is required.*4	
CPU	Windows Vista	1.3GHz Pentium or higher
	Windows XP, 2000	750MHz Pentium or higher
RAM	Windows Vista	Minimum 512MB
	Windows XP, 2000	Minimum 256MB
Interface	Hi-Speed USB or USB	
Display	Screen resolution: 1024 × 768 pixels or more Color quality: Medium (16 bit) or more	

*1 Compatible with 32-bit/64-bit systems for all versions except Starter Edition
*2 Compatible with Service Pack 2
*3 Compatible with Service Pack 4
*4 .NET Framework is Microsoft software. It is installed together with EU.

Supported Camera and Supported Images

Can be used for RAW and JPEG images shot with the cameras below.

EOS-1Ds Mark III	EOS-1D Mark III
EOS 40D	EOS DIGITAL REBEL XSi/450D

Contents at a Glance

Downloading images from your camera to a computer

- To batch download all the images to a computer ➜ p.6
- To download to a computer selected images only ➜ p.7
- To download images using a third-party card reader ➜ p.9

Camera settings from a computer

- To set the camera owner name and date/time ➜ p.11
- To set a Picture Style and apply to the camera ➜ p.15
- To apply a Picture Style file to the camera ➜ p.18
- To register a personal white balance in the camera ➜ p.19
- To set a JPEG quality and apply to the camera ➜ p.20
- To adjust a white balance setting and apply to the camera ➜ p.21
- To set My Menu and apply to the camera ➜ p.21

Remote shooting

- To shoot by controlling the camera from a computer (Remote Live View shooting) ➜ p.25
- To shoot with accurate horizontal/vertical alignment ➜ p.31
- To change the aspect ratio and shoot ➜ p.31
- To shoot by operating the camera ➜ p.32
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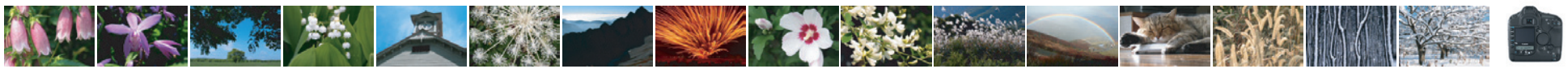
Functions for use with other accessories sold separately

- To shoot with the Wireless File Transmitter WFT-E2/E2A or E3/E3A and check the images in real time ➜ p.41
- To start up the WFT-E2/E2A or E3/E3A software from EU ➜ p.42
- To start up the Original Data Security Kit OSK-E3 software from EU ➜ p.42



1 Downloading Images to your Computer

Basic operation such as preparing for downloading images to your computer (connecting your camera and computer), starting up EU, downloading images from your camera to your computer and exiting EU are explained here.

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Connecting the Camera and Computer..... 5
Starting up EU 5
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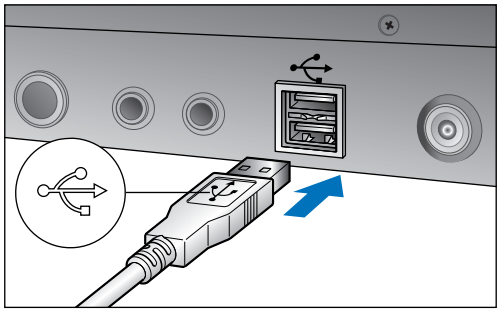
Preparing to Download Images

To download to your computer images shot with your camera, you will need to connect your camera and computer using the interface cable provided with your camera.

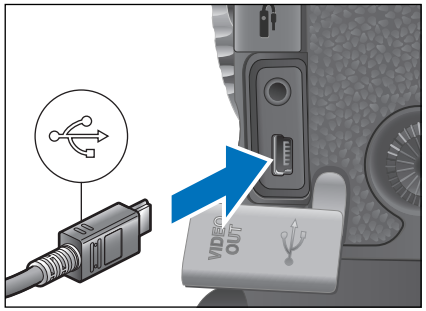
Connecting the Camera and Computer

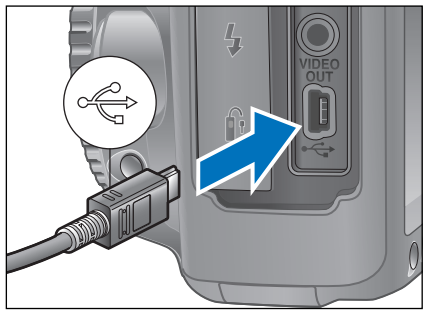
1 Connect the large plug of the cable into the USB port of your computer.



- For the location and direction of the USB port, refer to the computer User's Manual.

2 Connect the small plug of the cable into the < ⇐• > terminal on your camera.



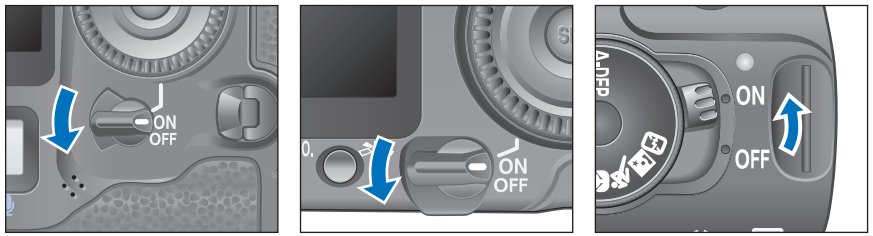


- Connect with the < ⇐• > mark on the plug facing the front of the camera.
- Image downloading preparation is now complete. Continue with "Starting up EU".
- With the 1Ds Mk III 1D Mk III, you can fix the plug to the camera with the cable protector to prevent the plug from disconnecting. For details on using, refer to p.24.

Starting up EU

When the camera's power switch is set to < ON >, EU will start up, and the camera and computer will be able to communicate.

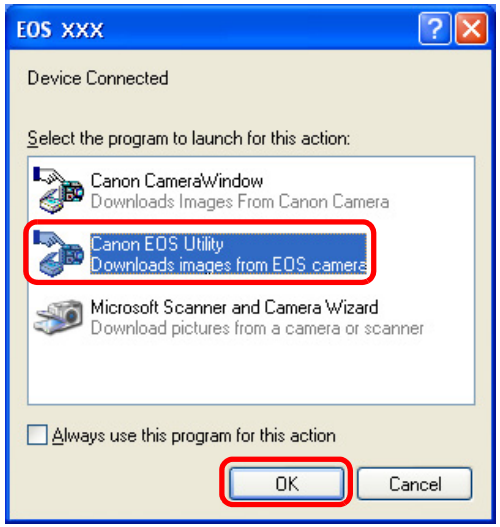
1 Set the camera's power switch to < ON >.



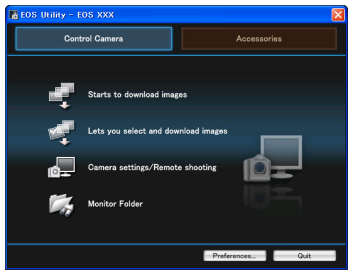
➜Communication between the camera and the computer begins and the above dialog box appears before the dialog box in step 2 (Next page) is displayed.

➜With Windows 2000, a dialog box with a message such as [Found New Hardware] is displayed and then automatically disappears.

2 Select [Canon EOS Utility] and then click the [OK] button.


EOS XXX
Device Connected
Select the program to launch for this action:
Canon CameraWindow
Downloads Images From Canon Camera
Canon EOS Utility
Downloads images from EOS camera
Microsoft Scanner and Camera Wizard
Download pictures from a camera or scanner
Always use this program for this action
OK
Cancel

EU Main window



➜EU starts up, the main window appears, and your camera and computer can now communicate. Continue with “Batch Downloading Images to Your Computer”.

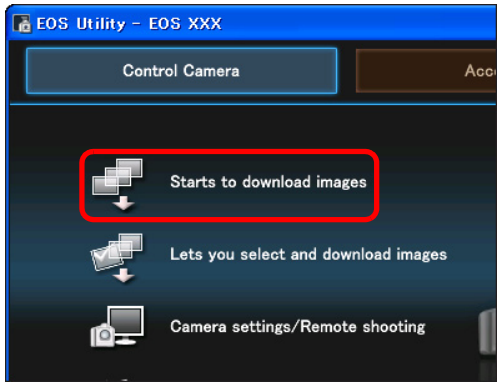
➜With Windows 2000, the [Event on device] dialog box appears. Select [Canon EOS Utility] and then click the [OK] button to start up EU.

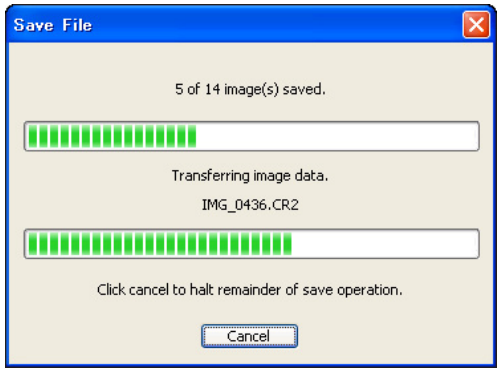
- This procedure is only necessary when connecting your camera and computer for the first time. From the next time you connect, EU will start up when you set your camera’s power switch to < ON >.
- The camera’s LCD monitor blinks when EU starts up.
- With Windows Vista, if the window in step 2 is not displayed even when you set the camera’s power switch to < ON >, double-click the [EOS Utility] icon on your desktop to start up EU.

Batch Downloading Images to Your Computer

You can batch download to your computer all the images saved in your camera’s memory card.
The downloaded images are sorted by date into folders and are then displayed in the main window of Digital Photo Professional (RAW image processing, viewing and editing software) (hereinafter DPP), which is linked to start up automatically, where you can check them immediately.

1 Click [Starts to download images].


EOS Utility – EOS XXX
Control Camera
Starts to download images
Lets you select and download images
Camera settings/Remote shooting

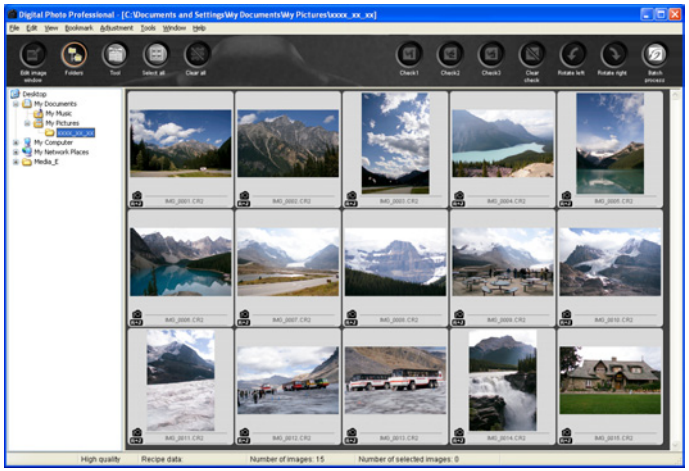


➜The [Save File] dialog box appears and image downloading to your computer begins.
➜The downloaded images are saved in the [My Pictures] folder.

- When all images have been downloaded, DPP starts up automatically and the downloaded images are displayed in the main window.

2 Check the downloaded images.

DPP Main window

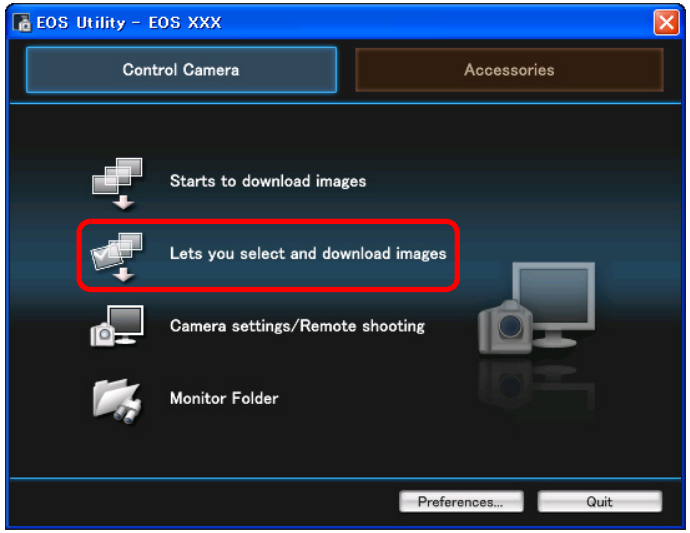


- Check the downloaded images in DPP.
  For details on using DPP, refer to the “Digital Photo Professional Instruction Manual” (PDF electronic manual).
- Continue with “Exiting EU” (p.9).

Downloading Selected Images to Your Computer

From the images saved in your camera’s memory card, you can select the ones you want and download them to your computer.

1 Click [Lets you select and download images].

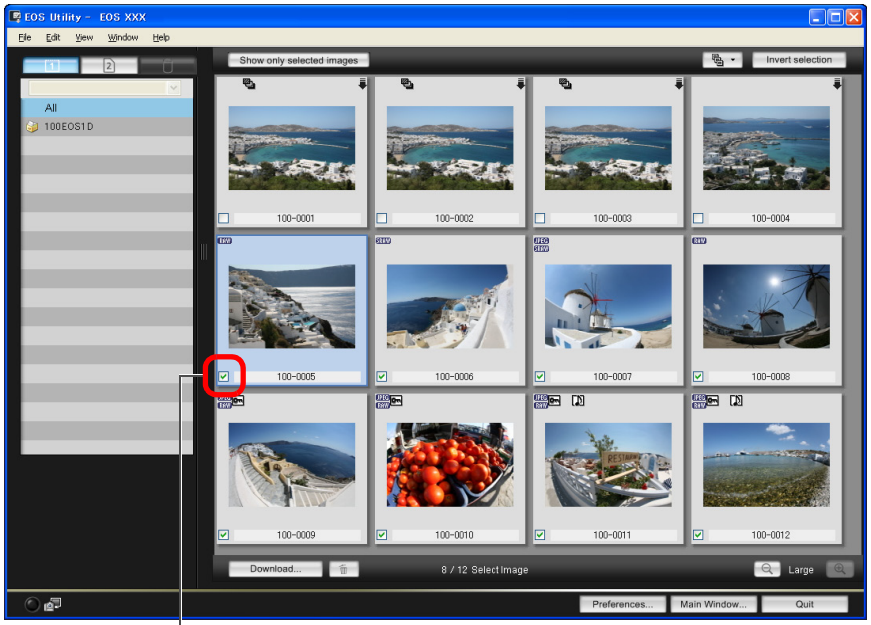


➜A viewer window appears and the images in the memory card are displayed.

- When you download images, you can change the software that starts up from DPP to ZoomBrowser EX or another software (p.37).
- You can change images downloaded and the save destination (p.36, p.37).

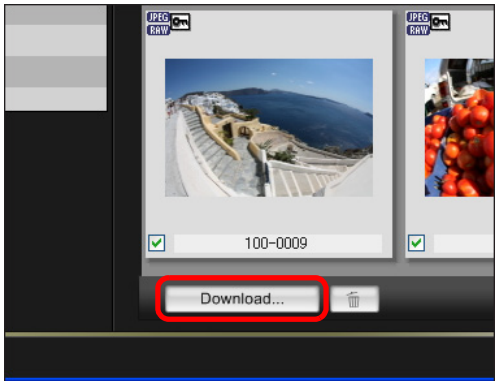
2 View the images and checkmark images to download.

Viewer window



Add checkmark

3 Click the [Download] button.

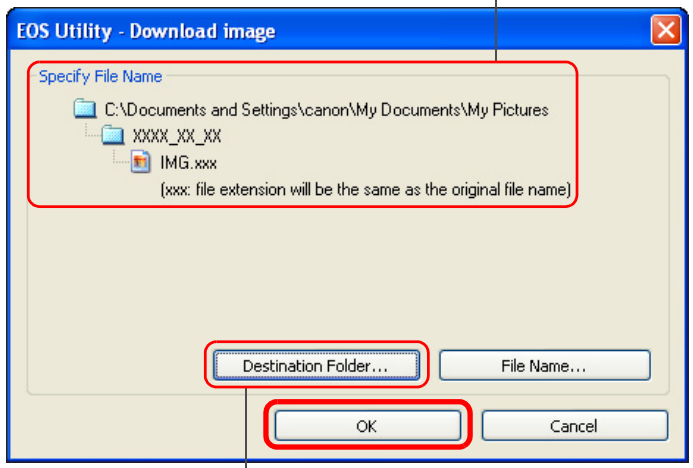


➜The [Download image] dialog box appears.

4 Specify the save destination and then click the [OK] button.

Displays the save destination on the computer

Download image dialog box



Specify the save destination

➜The [Save File] dialog box appears and image downloading to your computer begins.

- When all images have been downloaded, DPP starts up automatically and the downloaded images are displayed.
- To switch to the main window, click the [Main Window] button in the viewer window.

For a list of viewer window functions, refer to p.46.

Downloading Images with a Card Reader

For users with a third-party card reader, you can also download to your computer images stored in a memory card using the card reader. However, EU does not support image downloading using a card reader. For this reason, when downloading images using a card reader, use one of the following 3 procedures.

Downloading Images Using Digital Photo Professional

You can use DPP to download to your computer shot images in a memory card inside a third-party card reader connected to your computer.

For detailed instructions, refer to “Downloading Images Using Your Card Reader” in the “Digital Photo Professional Instruction Manual” (PDF electronic manual).

Downloading Images Using ZoomBrowser EX

You can use ZoomBrowser EX to download to your computer shot images in a memory card inside a third-party card reader connected to your computer.

For detailed instructions, refer to “Downloading Images Using Your Card Reader” in the “ZoomBrowser EX Instruction Manual” (PDF electronic manual).

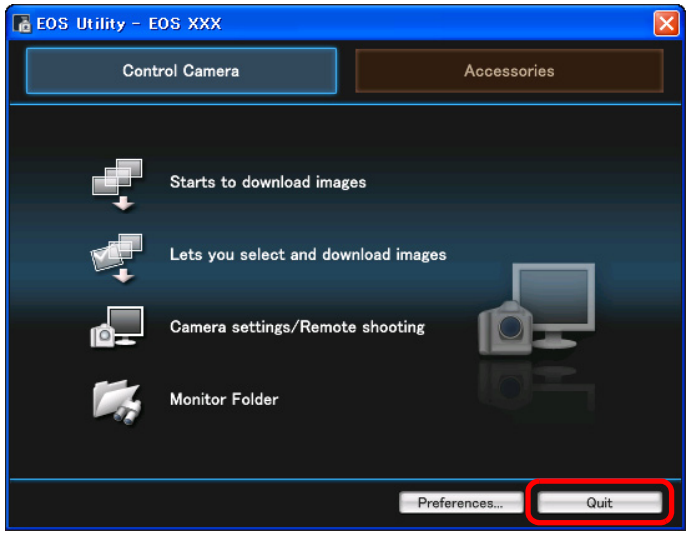
Downloading Images without Using Canon Software

To download images with a card reader without using Canon software such as DPP or ZoomBrowser EX, copy to your computer the [DCIM] folder in the memory card.

For more details about folder structures and files in the memory card, refer to p.43.

Exiting EU

1 Click the [Quit] button.



➜The window closes and EU exits.

2 Turn the camera’s power switch to < OFF >.

3 Disconnect the cable from the camera and computer.

- Do not pull on the cable; hold the plug and pull out.

2 Setting the Camera from Your Computer

This section explains how to set the camera's functions from EU.

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Available Settings by Camera Model ... 12
Setting up Camera Functions ... 13
Available Settings by Camera Model ... 14
Setting Picture Styles and Applying to the Camera ... 15
Selecting a Picture Style and Applying to the Camera ... 15
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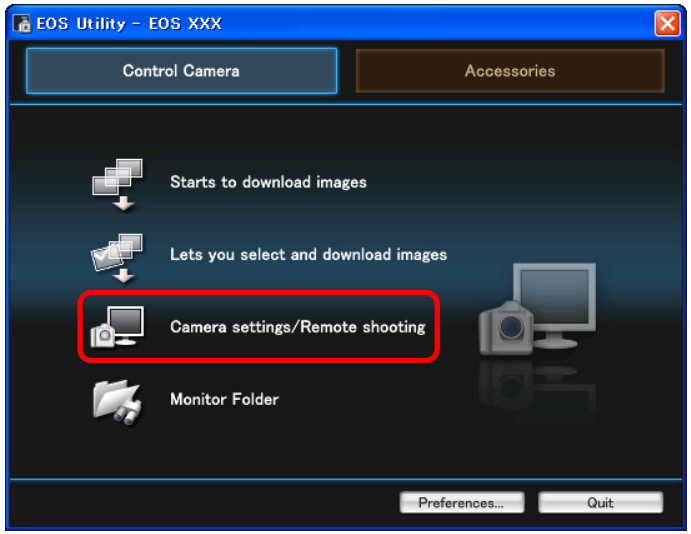
Customizing Picture Styles and Applying to the Camera ... 17
Applying Picture Style Files to the Camera ... 18
Registering Personal White Balance in the Camera ... 19
Setting JPEG Quality and Applying to the Camera ... 20
Adjusting White Balance and Applying to the Camera ... 21
Setting My Menu and Registering to the Camera ... 21

Setting the Camera Owner's Name and Date/Time

You can set and apply to the camera, the camera owner's name and date/time, and record these as shooting information of shot images.

1 Connect your camera and computer, and then start up EU (p.5).

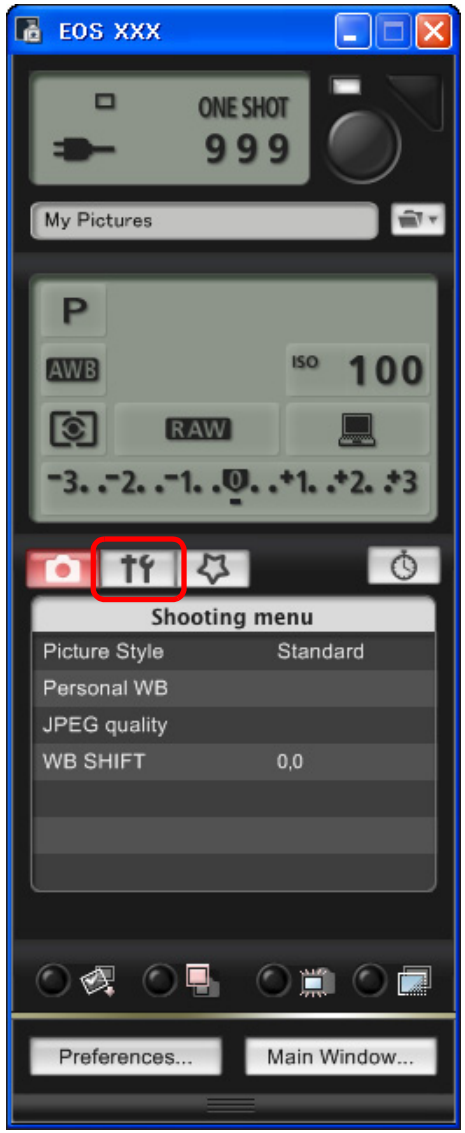
2 Click [Camera settings/Remote shooting].



➜The capture window appears.

3 Click the [ ] button.

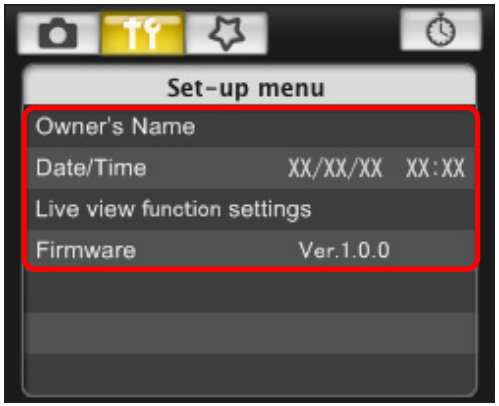
Capture window



➜The [Set-up menu] appears.

4 Click the required setting and specify each one.

Set-up menu



- Available settings are displayed for the camera that is connected. For more details, refer to “Available Settings by Camera Model” (Description on the right).

5 When setting is complete, click the [Main Window] button to return to the main window.

➜The main window appears.

Available Settings by Camera Model

Setting	1Ds Mk III / 1D Mk III	40D / REBELXSi / 450D
Owner’s Name	○	○
Date/Time	○	○
Live View Function Settings	○	○
Firmware	○	○

Owner’s Name

- You can enter up to 31 characters and register the camera owner’s name.

Date/Time

- You can set the camera’s date and time.

Live View Function Settings

- You can set whether the Live View shooting function (p.25) is available or not.

Firmware

- You can display the version of the camera’s firmware.
- You can update the firmware by clicking on this item.
- For more details on updating firmware, refer to the Canon’s website.

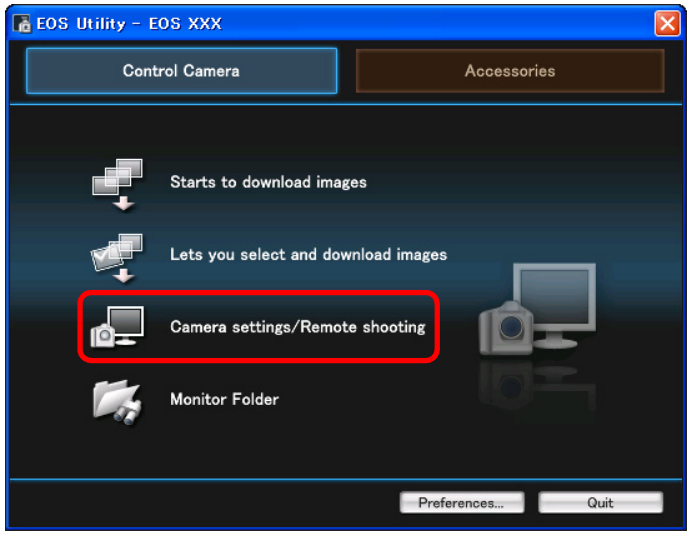
For a list of the capture window functions, refer to p.48.

Setting up Camera Functions

You can set and apply to the camera Picture Styles, personal white balance, JPEG quality and white balance adjustment.

1 Connect your camera and computer, and then start up EU (p.5).

2 Click [Camera settings/Remote shooting].



➜The capture window appears.

3 Click the [ ] button.

➜The [Shooting menu] appears.

4 Click the required setting and specify each one.

Shooting menu

- Available settings are displayed for the camera that is connected. For more details, refer to “Available Settings by Camera Model” (Description on the right).

5 When setting is complete, click the [Main Window] button to return to the main window.

➜The main window appears.

Available Settings by Camera Model

Setting	1Ds Mk III / 1D Mk III	40D / REBELXSi / 450D
Picture Style	○	○
Personal White Balance	○	○
JPEG Quality	○	–
White Balance Adjustment	○	○

Picture Style

- You can set a Picture Style and apply it to the camera, in the same way as operating from the camera (p.15).

Personal White Balance

- You can register to the camera a personal white balance file saved in RAW Image Task (p.19).

JPEG Quality

- You can set the JPEG image quality and apply it to the camera, in the same way as operating from the camera (p.20).

White Balance Adjustment

- You can adjust the white balance, in the same way as operating from the camera (p.21).

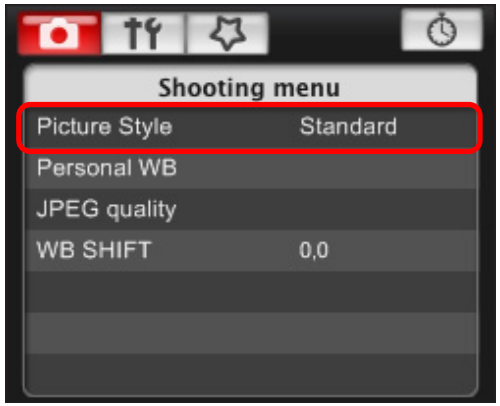
For a list of the capture window functions, refer to p.48.

Setting Picture Styles and Applying to the Camera

You can set and apply Picture Styles to the camera, in the same way as operating from the camera. You can change the values for [Sharpness], [Contrast], [Saturation] and [Color tone] of each Picture Style and register up to three of your own Picture Styles in the camera as user-defined settings.
You can also register Picture Style files in the camera as user-defined settings you have downloaded from the Canon's website or created with Picture Style Editor (Picture Style file creating software) (hereinafter PSE) and saved to your computer.

Selecting a Picture Style and Applying to the Camera

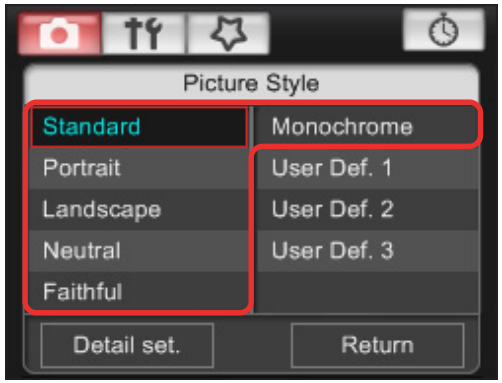
1 Click [Picture Style].



➜The [Picture Style] window appears.

2 Click the Picture Style to be set in the camera.

Picture Style window



➜The setting is applied to the camera and the display returns to the [Shooting menu].

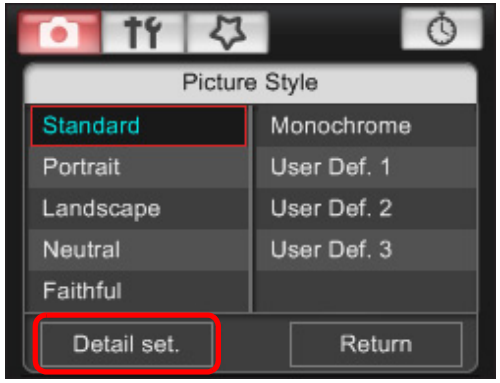
Changing Picture Style Settings and Applying to the Camera

You can set your own Picture Style [Sharpness], [Contrast], [Saturation] and [Color tone] and apply them to the camera, in the same way as operating from the camera.

1 Click [Picture Style] (p.15).

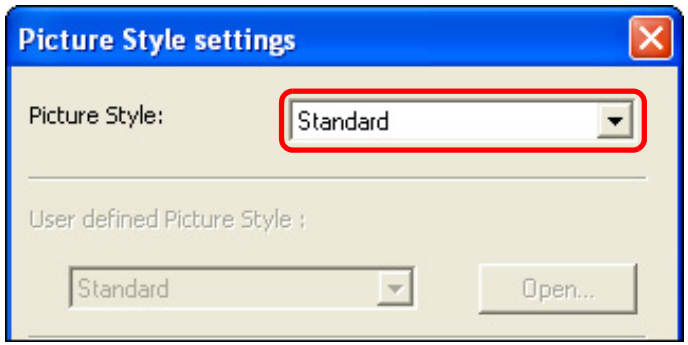
➜The [Picture Style] window appears.

2 Click [Detail set.].



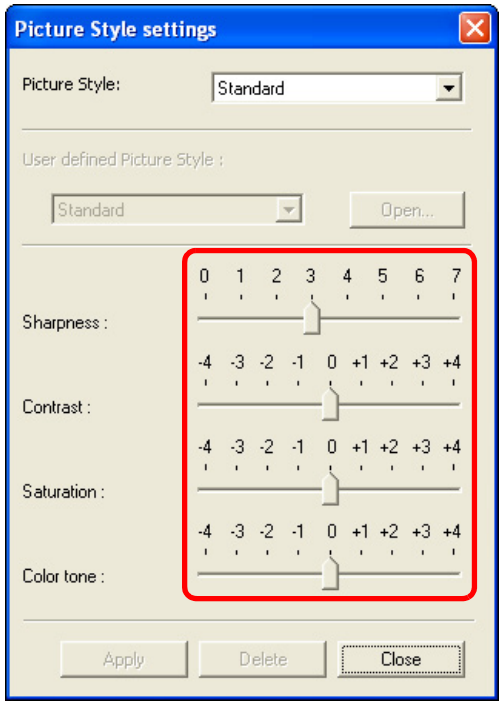
➜The [Picture Style settings] dialog box appears.

3 Select a Picture Style from the [Picture Style] list box.

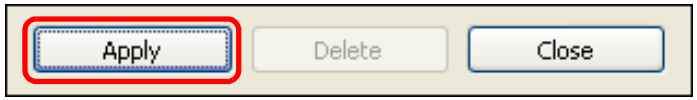


➜If you select [Monochrome], the [Filter effect] and [Toning effect] list boxes appear.

4 Drag the slider for each item left or right.



5 Click the [Apply] button.



➜The settings are registered in the camera.

6 Click the [Close] button.

➜The [Picture Style settings] dialog box closes.

7 In the [Picture Style] window (the window in step 2), click the Picture Style whose setting values you have changed.

➜The setting is applied to the camera and the display returns to the [Shooting menu].

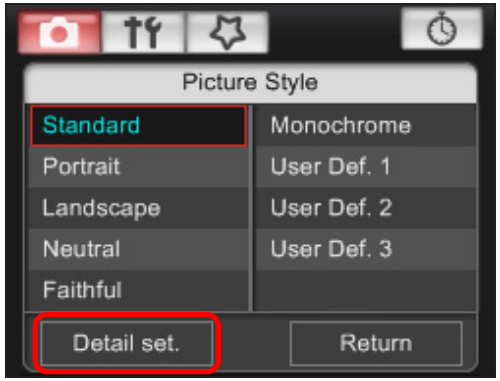
Customizing Picture Styles and Applying to the Camera

You can set your own Picture Style item, [Sharpness], [Contrast], [Saturation] and [Color tone] values and register up to three of these as user-defined settings in your camera, in the same way as operating from the camera.

1 Click [Picture Style] (p.15).

➜The [Picture Style] window appears.

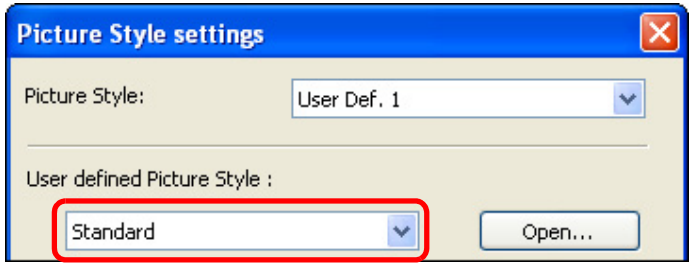
2 Click [Detail set.].



➜The [Picture Style settings] dialog box appears.

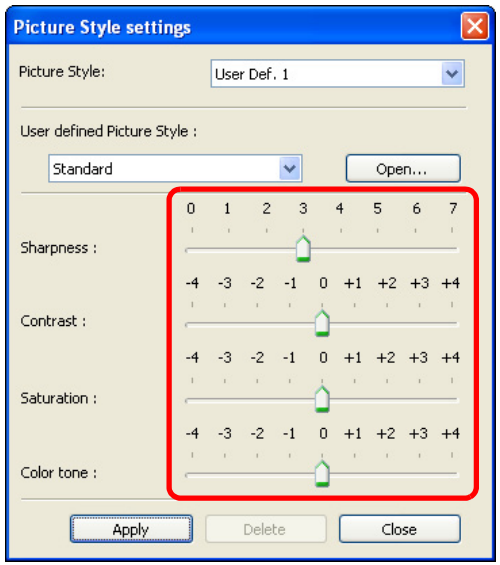
3 Select one of [User Def. 1] to [User Def. 3] from the [Picture Style] list box.

4 Select a Picture Style from the [User defined Picture Style] list box.



➜If you select [Monochrome], the [Filter effect] and [Toning effect] list boxes appear.

5 Drag the slider for each item left or right.



● The steps that follow are the same as step 5 to step 7 on p.16.

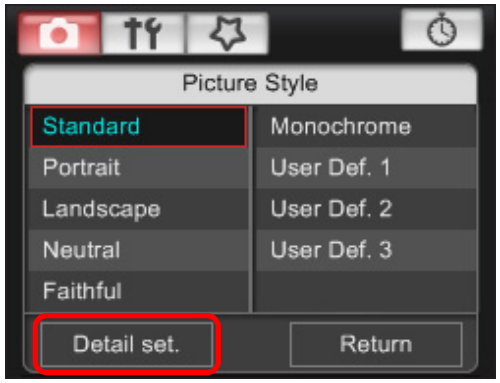
Applying Picture Style Files to the Camera

You can register up to three Picture Style files downloaded from the Canon's website or created with PSE and saved to your computer, as user-defined settings in your camera.

1 Click [Picture Style] (p.15).

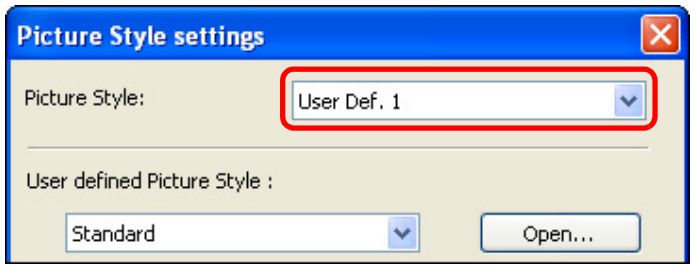
➜The [Picture Style] window appears.

2 Click [Detail set.].

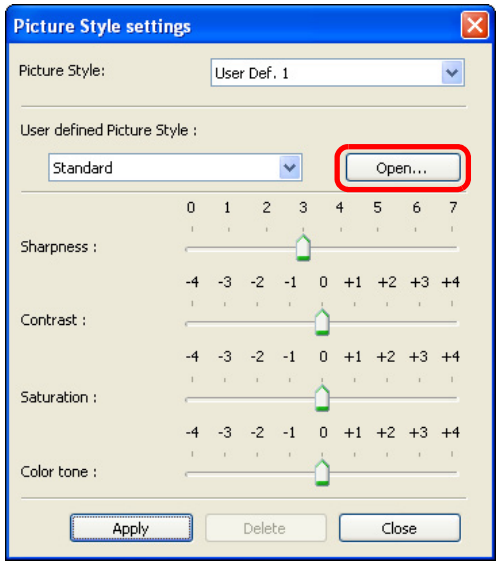


➜The [Picture Style settings] dialog box appears.

3 Select one of [User Def. 1] to [User Def. 3] from the [Picture Style] list box.

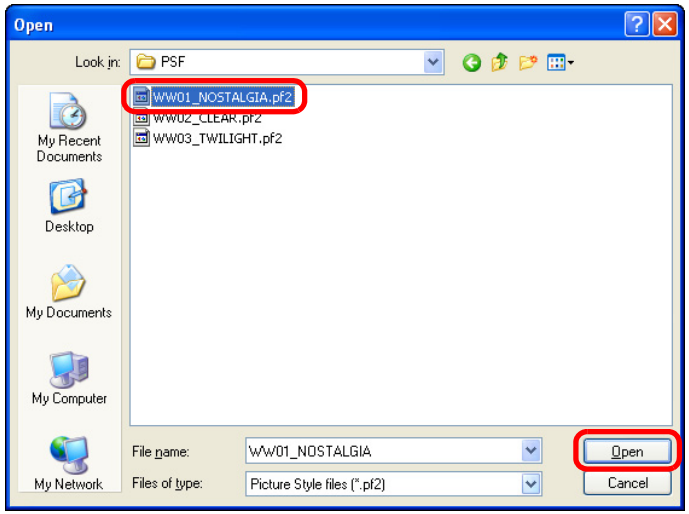


4 Click the [Open] button.



➜The [Open] window appears.

5 Select a Picture Style file and then click the [Open] button.



➜The Picture Style file is loaded and applied to the camera.

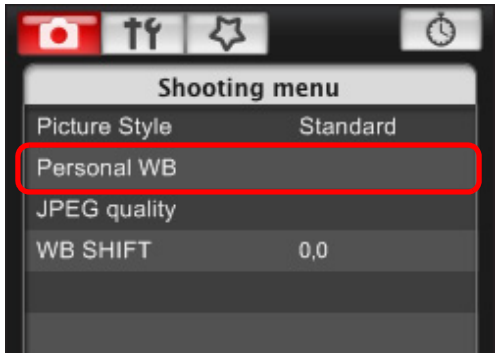
● The steps that follow are the same as step 5 to step 7 on p.16.

- A Picture Style file is an extended function of Picture Style. It is a file that offers effective image characteristics for an image shot in an extremely limited scene. For more details on Picture Style files, refer to the Canon's website.
- The Picture Style files that you can apply to the camera are files with the ".PF2" extension only.
- For details on using PSE, refer to the "Picture Style Editor Instruction Manual" (PDF electronic manual).

Registering Personal White Balance in the Camera

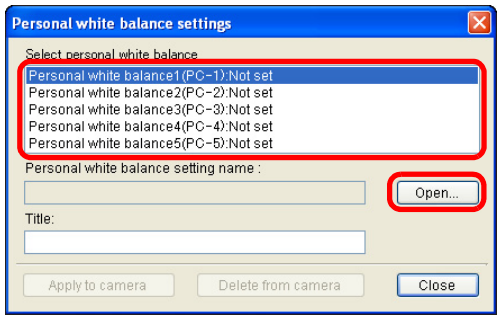
With RAW Image Task (RAW image processing software), you can adjust the white balance of shot RAW images and you can save those results as white balance files. In EU, you can register the white balance files in the camera as personal white balance and use them when you shoot in specific environments.
For instructions on how to save white balance files using RAW Image Task, refer to "Adjusting RAW Images" in the "ZoomBrowser EX Instruction Manual" (PDF electronic manual).

1 Click [Personal WB].



➜The [Personal white balance settings] dialog box appears.

2 Select the personal white balance to be registered and click the [Open] button.



➜The [Open] dialog box appears.

3 Open the folder containing the saved white balance file, select the file and then click the [Open] button.

➜The white balance file is loaded.

- The white balance files that you can register to the camera are files with the ".WBD" extension.

4 Enter a title into the [Title] input field.

5 Click the [Apply to camera] button.

➜The personal white balance is registered on the camera.

- This is registered as manual white balance on the 40D REBELXSi 450D .
- To register another setting, repeat step 2 to step 5.

6 Click the [Close] button.

➜The [Personal white balance settings] dialog box closes and the display returns to the [Shooting menu].

7 Select a registered personal white balance on the camera.

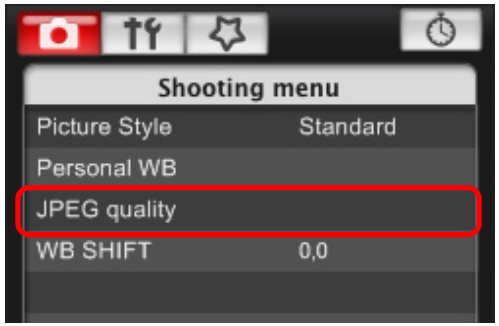
- Select a registered personal white balance (1Ds Mk III 1D Mk III) or manual white balance (40D REBELXSi 450D) as the white balance.
- For selecting personal white balance or manual white balance, refer to "Selecting the White Balance" (1Ds Mk III 1D Mk III) or "Setting the White Balance" (40D REBELXSi 450D) in the camera's Instruction Manual provided with your camera.

Setting JPEG Quality and Applying to the Camera

1Ds Mk III 1D Mk III

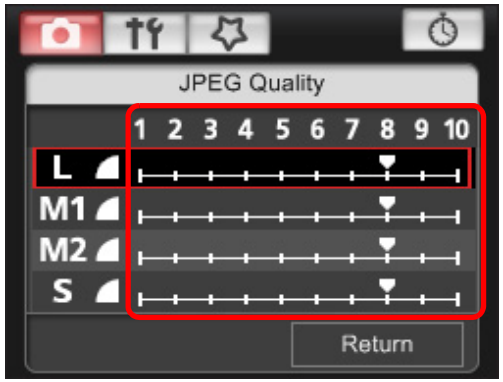
You can set the JPEG image quality and apply it to the camera, in the same way as operating from the camera.

1 Click [JPEG quality].



➜The [JPEG quality] window appears.

2 Click the setting position.



➜The settings are applied to the camera.

- Higher values give a lower compression ratio and higher image quality for any size.

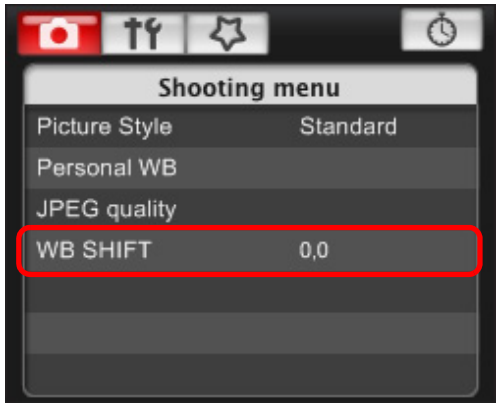
3 Click [Return].

➜The display returns to the [Shooting menu].

Adjusting White Balance and Applying to the Camera

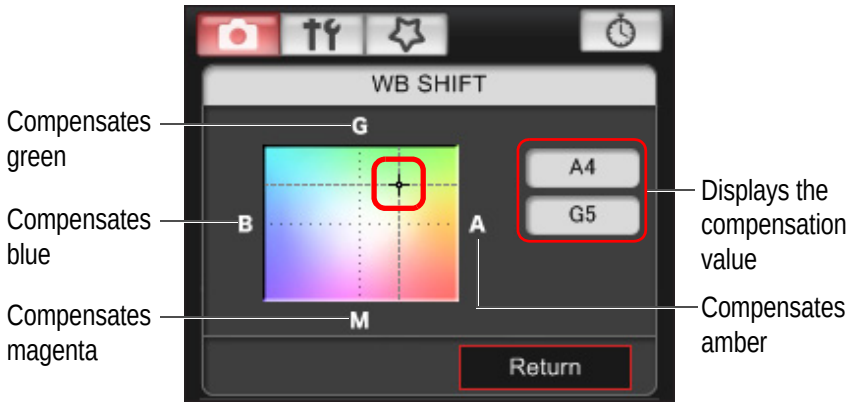
You can adjust white balance, in the same way as operating from the camera.

1 Click [WB SHIFT].



➜The [WB SHIFT] window appears.

2 Click the compensation position.



➜The settings are applied to the camera.

3 Click [Return].

➜The display returns to the [Shooting menu].

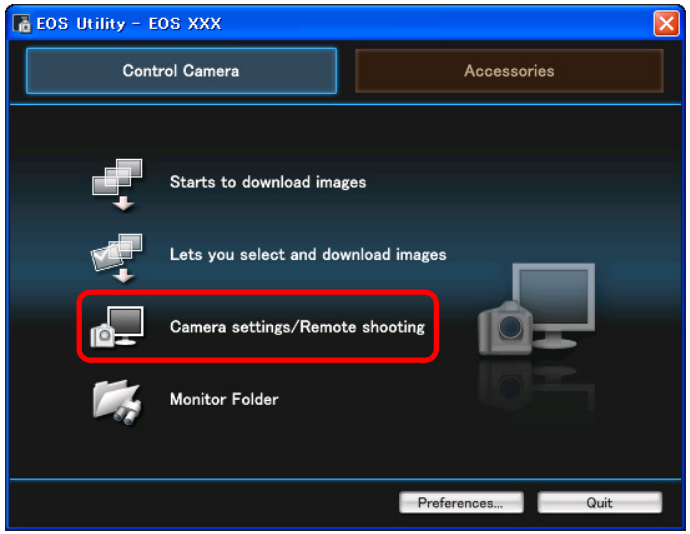
- To revert the corrected values to the original values, follow the procedure in step 2.

Setting My Menu and Registering to the Camera

You can register up to six frequently used menu items as My Menu and register them to the camera, in the same way as operating from the camera.
You can register top layer items of each tab as well as all items of Custom Functions.

1 Connect your camera and computer, and then start up EU (p.5).

2 Click [Camera settings/Remote shooting].



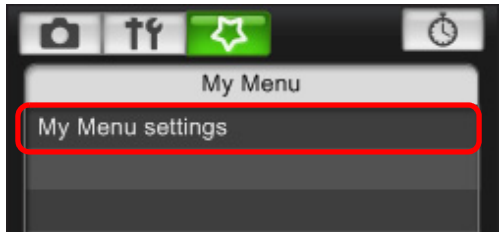
➜The capture window appears.

3 Click the [ ] button.

➜The [My Menu] appears.

4 Click [My Menu settings].

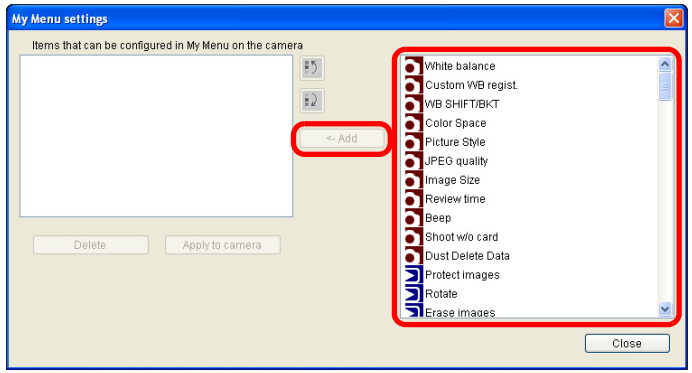
My Menu



➜The [My Menu settings] window appears.

5 Select the item to be registered and click the [Add] button.

My Menu settings window



➜The selected item is added to [Items that can be configured in My Menu on the camera] on the left side of the window.

- You can register up to six items with the above procedure.
- You can change the position of an item by selecting it and then clicking the [ ] or [ ] button to move it.

6 Click the [Apply to camera] button.

➜The setting is applied to the camera.

For a list of the My Menu settings window functions, refer to p.47.

3 Remote Shooting by Controlling the Camera from Your Computer

From EU you can control the camera remotely, and by viewing the subject in the EU window, you can set the camera and shoot. You can also shoot by directly operating your camera even during remote shooting, or preset a time allowing the camera to shoot automatically with timer shooting.

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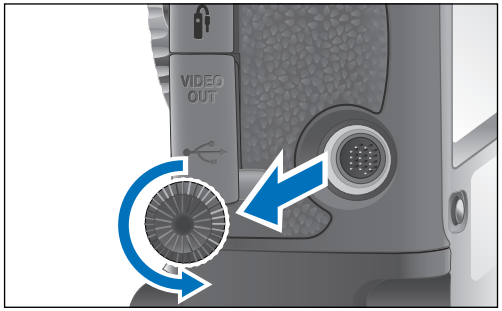
Preparation Before Remote Shooting

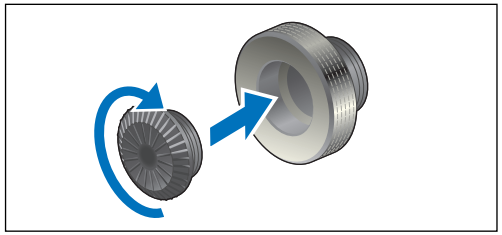
1Ds Mk III 1D Mk III

Fix the plug to the camera with the cable protector to prevent it from detaching during remote shooting.

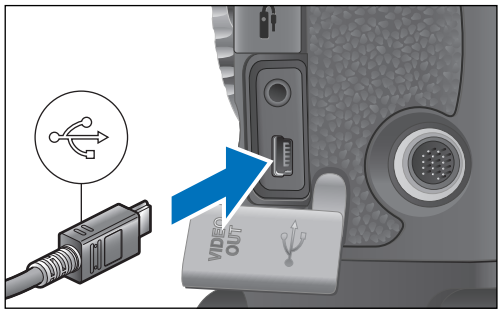
1 Remove the cap.



2 Attach the cap on the fixing screw.

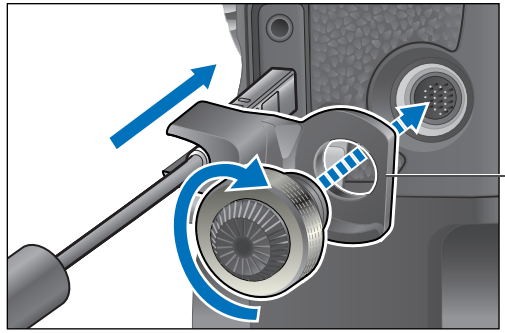


3 Connect the small plug of the cable into the < ⇐ > terminal on your camera.



- Connect with the < ⇐ > mark on the plug facing the front of the camera.

4 Attach the cable protector and fix it with the fixing screw.



Remote Live View Shooting

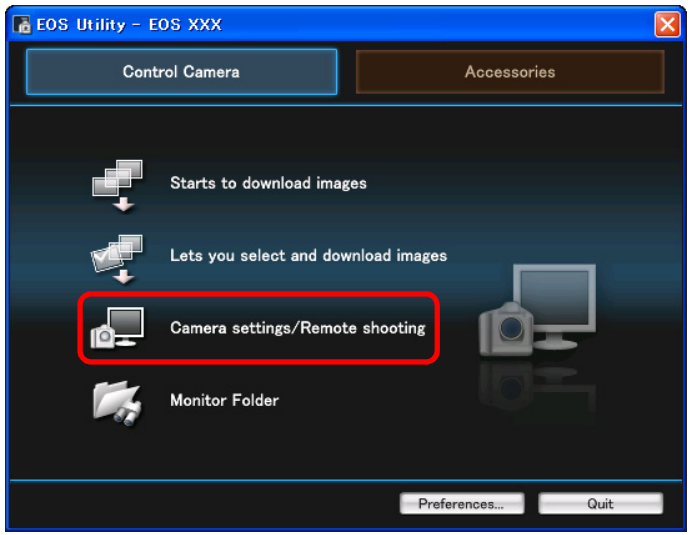
You can control your camera remotely from EU, and while viewing on your computer, you can focus the subject and check the results of your camera settings before shooting.
Also, the shot image is saved directly on your computer and you can recheck it using linked Digital Photo Professional (hereinafter DPP).
This function is effective for shooting large numbers with fixed-framing such as for studio shooting.

1 Connect your camera and computer, and then turn the camera's power switch to < ON >.

➜EU starts up.

- Looking into the viewfinder of the camera, compose your picture and adjust the focus.

2 Click [Camera settings/Remote shooting].



➜The capture window appears.

3 Set the camera.

Double-click the setting item and select the setting

- You can also use the functions of the [Shooting menu] (p.13).
- The settings that cannot be set in the capture window (drive mode, AF mode, etc.) can be set by operating the camera.

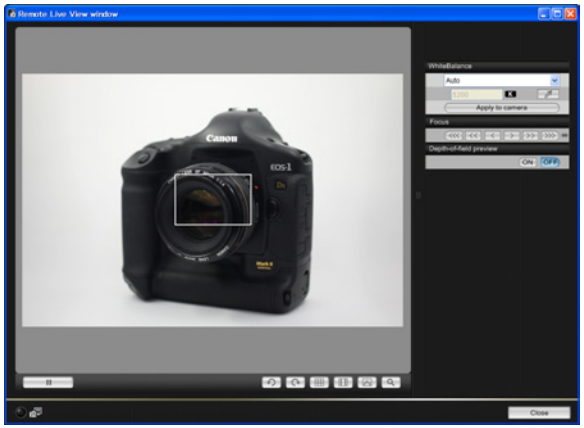
4 Set the Live View function.

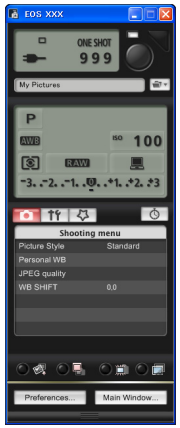
- Display [Set-up menu] (p.11) and click [Live View function settings], and then select [Live View shoot. Enable].

5 Click the [ ] button.

➜The [Remote Live View window] appears.

Remote Live View window





6 Click the [●] button to shoot.

➜The shot image is transferred to your computer and displayed in the [Quick Preview] window. And then, DPP starts up automatically.

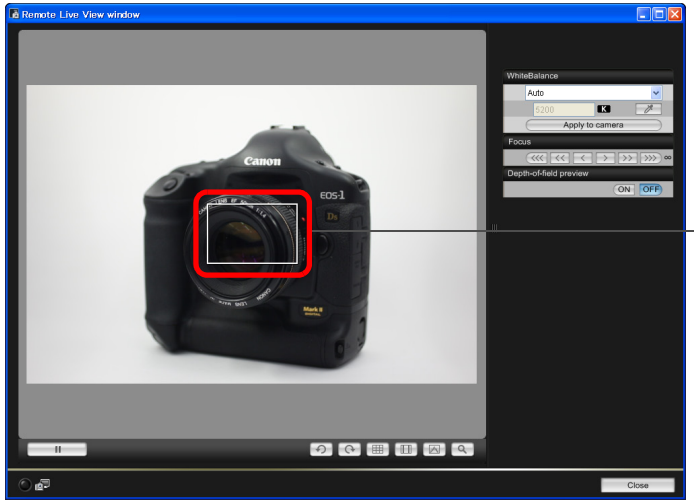
- You can display/hide the [Quick Preview] window by clicking the [ ] button in the capture window.

- You cannot operate the camera when the [Remote Live View window] is displayed. By pressing the camera's < SET > button, Live View image will also be displayed on the camera's LCD monitor, and then you can operate the camera.
- You can shoot by operating the capture window, even if the [Remote Live View window] is not displayed.
- To perform exposure simulation (p.28) with [Remote Live View window] or enable display of histograms (p.49), set your camera's Custom Function [Live View exposure simulation] to [Enable].
- You can save shot images to both your computer and a memory card (p.37).
- You can change the software that starts up automatically when remotely shot images are transferred to your computer from DPP to ZoomBrowser EX or other software (p.37).
- For a list of the Remote Live View window functions, refer to p.49.
- For a list of the Zoom View Window functions, refer to p.50.

Adjusting the Focus

Set the lens's focus mode switch to < AF > and you can adjust the focus while looking at the Remote Live View window.

1 Drag [□] to the section you want to enlarge.



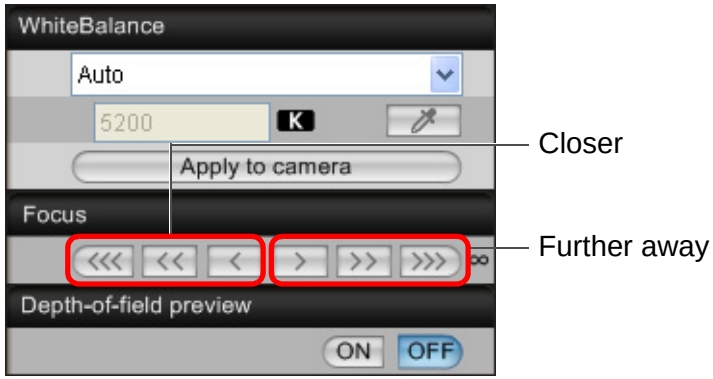
2 Click the [ ] button.

➜The section you selected in step 1 is displayed enlarged at 100% (actual pixel size) in the [Zoom View] window.

Zoom View Window

- To move the display position in the [Zoom View] window, click either [ ], [ ], [ ], or [ ].
- You can checkmark [Maintain Zoom View] to maintain display of the [Zoom View] window.
- You can also double-click the section you want to enlarge in step 1 to display an enlarged view at 100% (actual pixel size) in the [Zoom View] window.
- Double-click an image in the [Zoom View] window to return to the [Remote Live View window].

3 Adjust the focus.



- [ ], [ ]: Adjustment Large amount
- [ ], [ ] : Adjustment Medium amount
- [ ], [ ] : Adjustment Small amount

➜The [Remote Live View window] changes in real time according to the focus position adjustment.

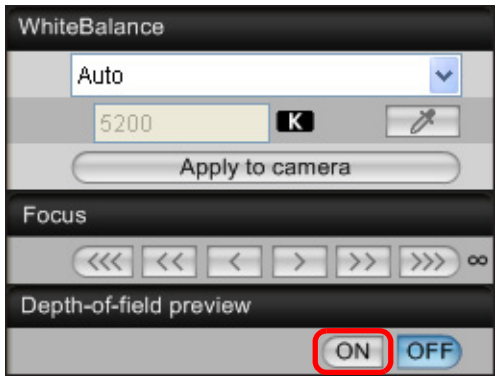
You can also focus using a key operation on the keyboard.

Adjustment	Closer	Further away
Large amount	< I >	< O >
Medium amount	< K >	< L >
Small amount	< < >	< > >

Checking the Depth of Field and Exposure

You can check the depth of field and exposure in the Remote Live View window.

Click the [ON] button.



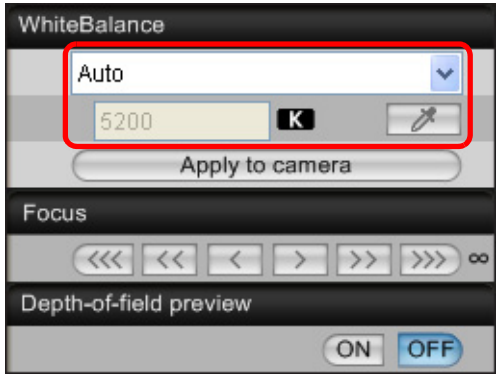
➜The aperture value (exposure simulation) is set in the capture window (p.25, p.48).

- When changing the camera settings in the capture window (p.25, p.48), click the [OFF] button to cancel the aperture setting before performing any changes.

White Balance

You can change the white balance while looking at the Remote Live View window.

Select the white balance to apply to the image.



➜The selected white balance is applied to the image in real time and you can check it in the [Remote Live View window].

● To apply the set white balance to your camera, click the [Apply to camera] button.

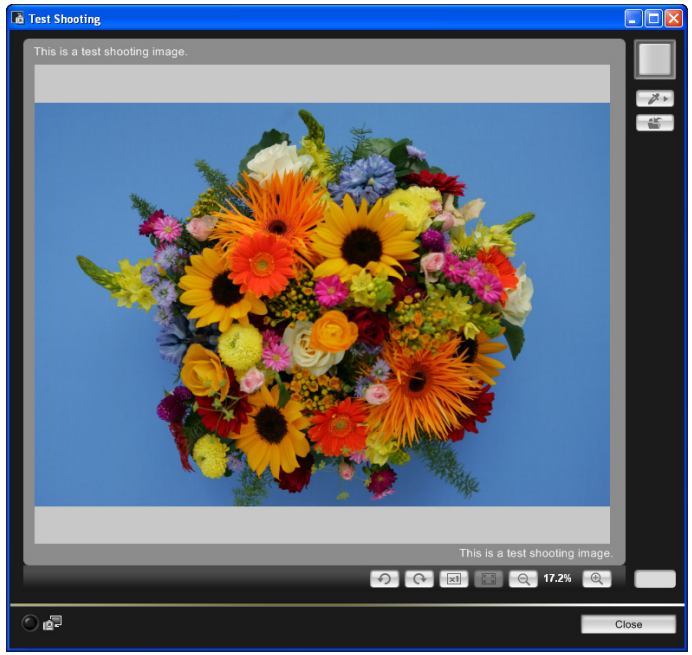
White Balance for Flash Photography

When taking flash shots where the subject is illuminated instantaneously, you can take a test shot under the same conditions as a actual shot, and adjust the white balance in the [Test Shooting] window based on the shot test image.

1 Click the [ ] button.

➜The shot image is displayed in the [Test Shooting] window.

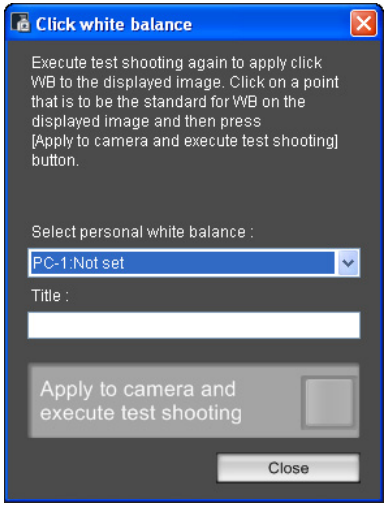
Test Shooting window



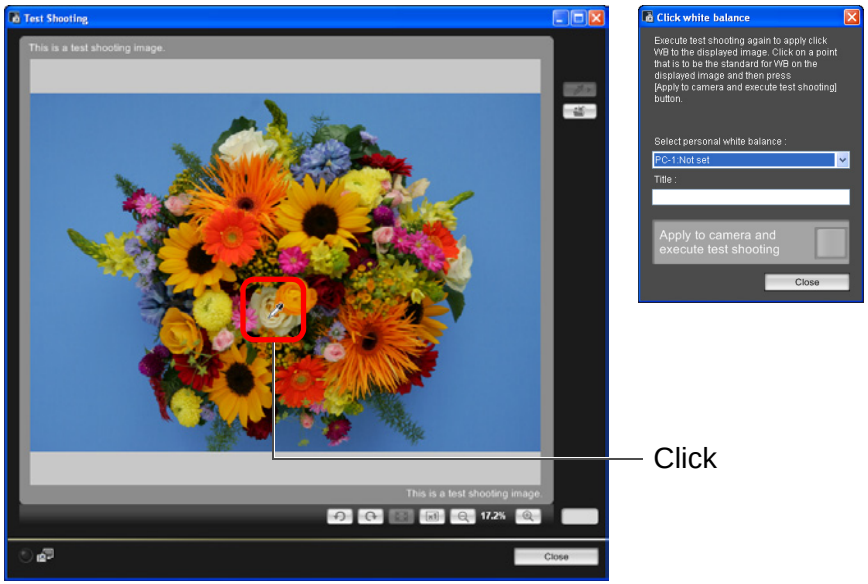
2 Click the [ ] button.

➜The [Click white balance] window appears.

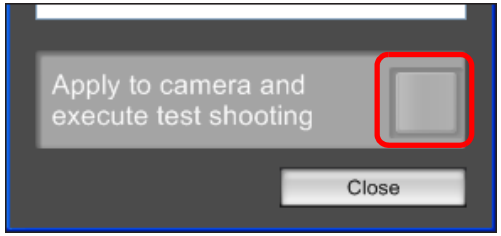
Click white balance window


Click white balance
Execute test shooting again to apply click WB to the displayed image. Click on a point that is to be the standard for WB on the displayed image and then press [Apply to camera and execute test shooting] button.
Select personal white balance :
PC-1:Not set
Title :
Apply to camera and execute test shooting
Close

3 Click on a point that is to be the standard for white.


Test Shooting
This is a test shooting image.
Click white balance
Execute test shooting again to apply click WB to the displayed image. Click on a point that is to be the standard for WB on the displayed image and then press [Apply to camera and execute test shooting] button.
Select personal white balance :
PC-1:Not set
Title :
Apply to camera and execute test shooting
Close
Click

4 Click the [Apply to camera and execute test shooting] button.



➜A shot will be taken again using the part of the image in step 3 clicked as the standard for white and the shot image is displayed in the [Test Shooting] window.

- The test image will not be saved. To save the test image, click the [ ] button.
- To close the [Test Shooting] window, click the [Close] button.
- You can take a test shot even when flash is not used.

For a list of the [Test Shooting] window functions, refer to p.51.

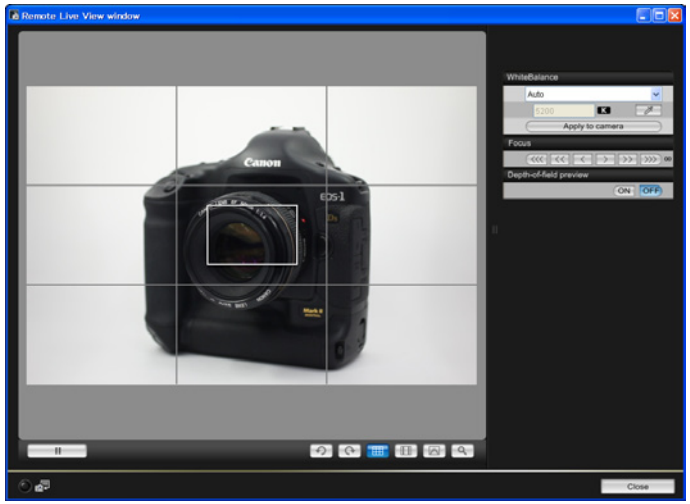
Adjusting the Horizontal/Vertical Alignment of the Camera

You can display gridlines in the [Remote Live View window] in the same way as the camera's live view function, and adjust the horizontal/vertical alignment of the camera.

1 Display the [Remote Live View window] (p.25).

2 Click the [ ] button.

➜Gridlines are displayed in the [Remote Live View window].



3 Move the camera to adjust the horizontal/vertical alignment.

- To remove the gridlines, click the [ ] button again.

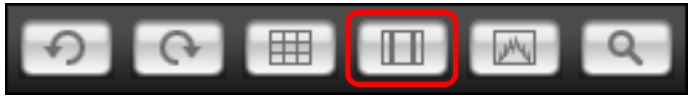
Changing the Aspect Ratio

1Ds Mk III 1D Mk III

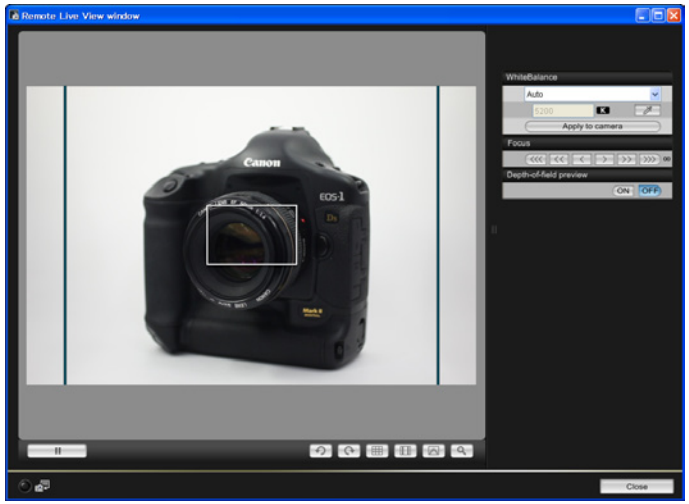
As with the camera's live view function, it is possible to shoot with a feeling similar to film-type medium-format/large-format cameras such as 6 × 6 cm, 6 × 4.5 cm and 4 × 5 inches.
Aspect ratio information is also attached automatically with a shot image, and when viewing an image with DPP, is displayed as an image trimmed based on the aspect ratio information.
Further, aspect ratio information is only attached with a shot image, and the image itself is not actually trimmed.

1 Display the [Remote Live View window] (p.25).

2 Click the [ ] button and select the aspect ratio.



➜In the [Remote Live View window], the vertical lines of the aspect ratio you selected is displayed.



3 Move the camera and compose your picture.

- To revert the aspect ratio to the normal condition, click the [ ] button and select [Off].

Shooting by Operating the Camera

Even when remote shooting is set, you can still operate the camera and shoot – as when shooting with only the camera. Also, since the shot images are saved to your computer's hard disk, you can shoot large quantities without having to worry about the capacity of the memory card.

1 Display the capture window (p.25).

2 Press the camera's shutter button and take a shot.

➜The shot images are transferred to the computer, DPP starts up automatically, and the shot images are displayed.

When the [Remote Live View window] is displayed, press the camera's < SET > button to display the Live View image on the camera's LCD monitor and operate the camera.

Timer-controlled Shooting

Two types of timer shooting are available where the camera automatically takes shots at a specified time or a specified number.

Timer Shooting

You can automatically take a shot when the specified time elapses.

1 Display the capture window (p.25)**.**

2 Click the [ ] button.

➜The [Timer shooting settings] dialog box appears.

3 Enter a delay time and click the [Start] button.

- Enter a value between 0 seconds and 99 minutes and 59 seconds in one-second increments.

➜The shot is taken when the specified time elapses.

Interval Timer Shooting

You can automatically take shots by setting the interval between shots and the number of shots to be taken.

1 Display the capture window (p.25)**.**

2 Click the [ ] button.

➜The [Timer shooting settings] dialog box appears.

3 Checkmark [Interval timer shooting].

4 Enter the shooting interval and the number of shots.

- Enter a value between 5 seconds and 99 minutes and 59 seconds in one-second increments.
- The minimum number of interval-timed shots is two. The number of shots you can take at timed intervals depends on the available space on your computer's hard disk.

5 Click the [Start] button.

➜The shots are taken at the specified intervals and for the specified number of shots.

On some types of computer, if you set a short interval between shots and there is insufficient time to transfer and save the images, it may not be possible to take shots at the specified interval. In this case, set a longer interval between shots and take the shots again.

Bulb Exposures

1 **Display the capture window** (p.25)**.**

2 **Double-click the shooting mode icon and select [BULB].**

3 **Set the desired aperture.**

4 **Click the [ ] button.**

➜The [Timer shooting settings] dialog box appears.

5 **Enter the exposure time and click the [Start] button.**

- Enter a value between 5 seconds and 99 minutes and 59 seconds in one-second increments.

You can start/end bulb exposure without setting an exposure time by clicking the [●] button.

4 Preferences

You can change each of the EU functions in the preferences window to make them easier to use.

Preferences 36
Basic Settings 36
Destination Folder 36
File Name 36
Download Images 37
Remote Shooting 37
Linked Software 37

Preferences

1 **On the main window, click the [Preferences] button.**

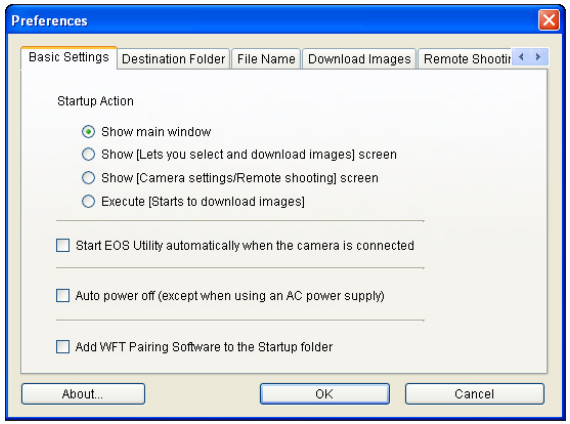
➜The [Preferences] dialog box appears.

2 **Specify the required settings and click the [OK] button.**

➜The settings are applied to EU.

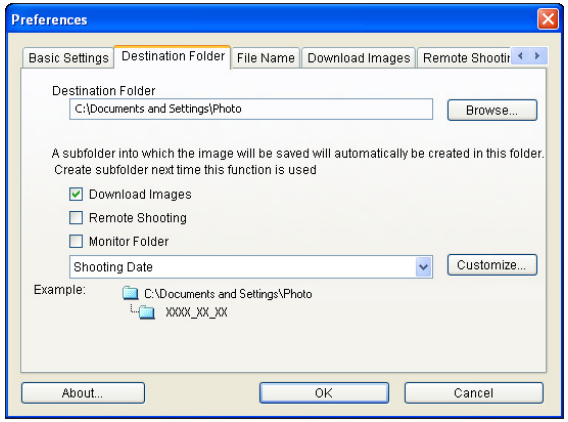
Basic Settings

You can specify the operation when EU starts up and whether the Auto power off function is enabled or disabled.



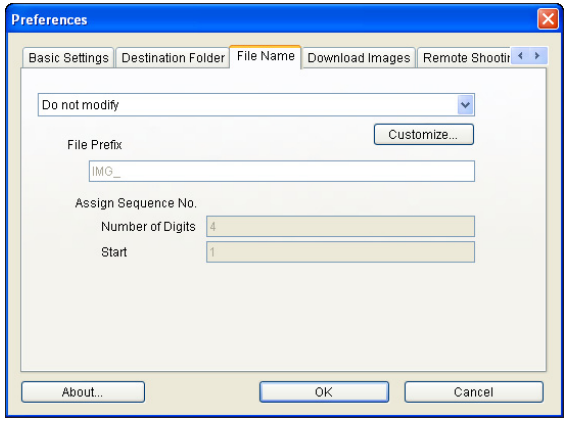
Destination Folder

You can specify the save destination of images downloaded from your camera or of images shot remotely.



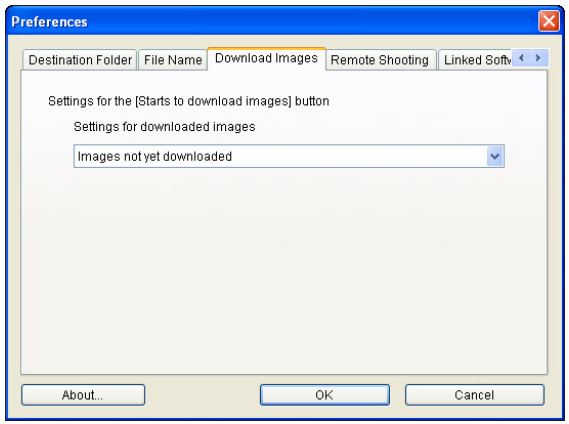
File Name

You can specify the file name of images downloaded from your camera or of images shot remotely.



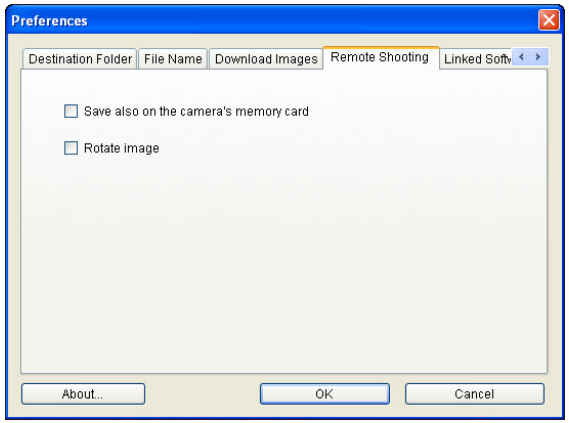
Download Images

You can set the images that are downloaded when the [Starts to download images] in the main window is clicked.



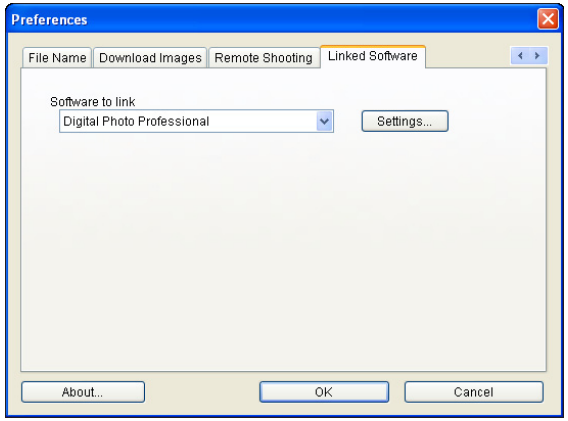
Remote Shooting

You can also save remotely shot images to the memory card inside the camera, and regardless of the camera's position at the time the shot is taken, activate the function that rotates the shot image. Set the rotation angle in the capture window (p.48).



Linked Software

You can select the linked software that starts up when images are downloaded from the camera or when images are shot remotely. Also, you can register third-party software as linked software by clicking the [Settings] button.



- When you have selected ZoomBrowser EX, you can specify the operation for after images are downloaded.
- In the window displayed when you click the [Settings] button, you can specify the type of images to be downloaded when linked third-party software is started up.

Reference

This reference section has been provided to enhance your experience using EU.
It contains various troubleshooting solutions, how to delete EU from your computer and explanations of the various windows.
An index is provided at the end of the chapter for you to easily find information you are looking for.

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Troubleshooting

If EU is not operating correctly, refer to the items below.

Installation could not be completed correctly

- You cannot install the software if a user setting other than [Computer administrator] privilege or [Administrator] privilege is selected. Select the [Computer administrator] privilege user setting in Windows XP or the [Administrator] privilege user setting in Windows 2000. For detailed information on selecting the user setting, refer to your computer User's Manual.

I connected the camera to the computer before installing the software

- If you have connected the camera and your computer with the interface cable but did not set the camera's power switch to < ON >, proceed as follows:
  1. Disconnect the interface cable from the camera and computer.
  2. Install the software on your computer.
  3. Connect the camera and your computer.

- If you have connected the camera and your computer with the interface cable and have set the camera's power switch to < ON >, proceed as follows:
  1. If [Found New Hardware Wizard] or any other dialog box appears, click the [Cancel] button and cancel all the dialog boxes.
  2. Set the camera's power switch to < OFF >.
  3. Disconnect the interface cable from the camera and the computer.
  4. Install the software on your computer.
  5. Connect the camera and your computer.

EU does not start up

- If EU does not start up even when you have set the camera's power switch to < ON >, either double-click the [EOS Utility] icon on the desktop or click the [Start] button, select [All Programs] ([Programs] in Windows 2000) ▶ [Canon Utilities] ▶ [EOS Utility] ▶ [EOS Utility] to start up EU.

EU and the camera are not communicating

- EU does not operate correctly on a computer if its system requirements does not meet. Use EU on a computer with compatible system requirements (p.2).

- Push the plug of the interface cable all the way into the socket. Loose connections can cause faults and malfunctions (p.5).

- Check that the camera's power switch is < ON > (p.5).

- EU and the camera may not communicate normally with a cable other than the EOS DIGITAL camera-dedicated Canon interface cable (p.5).

- Connect your camera and computer directly with the interface cable provided with your camera. Do not connect the camera via a hub; doing so may prevent EU and your camera from communicating normally.

- If you connect multiple USB devices (not including the mouse or keyboard) to your computer, the camera may not communicate normally. If the camera cannot communicate normally, disconnect USB devices other than the mouse or keyboard from your computer.

- Do not connect more than one camera to the same computer. Two or more cameras may not operate normally.

- If there is insufficient charge left in the camera battery, the camera cannot communicate with EU. Either replace with a fully charged battery or use the AC adaptor kit provided with your camera. Your computer does not supply power to the camera through the interface cable.

Communication between EU and the camera disconnected

- Operation of the Auto power off function will automatically switch the camera off, disabling communication with EU, if you turn the Auto power off function to [ON]. Remove the checkmark from [Auto power off] in the [Basic Settings] tab sheet (p.36) of the preferences window or set the Auto power off function in the camera to [OFF].

- If you do not perform any operation while the camera and computer are connected, depending on the computer system, a confirmation message may appear on the screen asking whether you wish to continue communicating with the camera. If you do not perform an operation while this message appears, communication with your camera is discontinued and EU shuts down. In this case, turn the camera's power switch to < OFF >, then again to < ON > and start up EU.

- Do not put your computer to sleep while it is connected to the camera. If your computer goes into sleep mode, never disconnect the interface cable while your computer is still in sleep mode. Always wake your computer up while it is still connected to the camera. Depending on the type of computer, disconnecting the interface cable while your computer is in sleep mode could prevent the computer from waking up correctly. Refer to the computer User's Manual for more information on sleep mode.

Remotely shot images using EU do not display in DPP

- In Digital Photo Professional, select the [Tools] menu ▶ [Sync folder with EOS Utility].

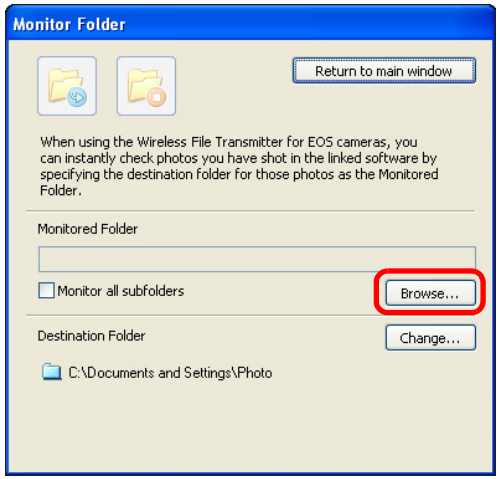
Monitor Folder Function (Function for Use with the WFT-E2/E2A or E3/E3A)

This is a function for checking your images with Digital Photo Professional (hereinafter DPP) in real time using the Wireless File Transmitter WFT-E2/E2A or E3/E3A (sold separately).
For setting the WFT-E2/E2A or E3/E3A, refer to the Instruction Manual provided with the WFT-E2/E2A or E3/E3A.

1 Click [Monitor Folder].

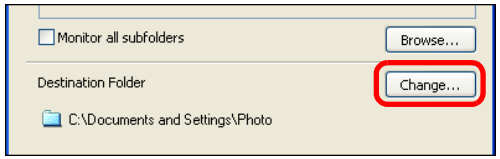
➜The [Monitor Folder] dialog box appears.

2 Click the [Browse] button and specify the save destination folder for shot images.


Monitor Folder
Return to main window
When using the Wireless File Transmitter for EOS cameras, you can instantly check photos you have shot in the linked software by specifying the destination folder for those photos as the Monitored Folder.
Monitored Folder
Monitor all subfolders
Browse...
Destination Folder
Change...
C:\Documents and Settings\Photo

- The save destination folder for the shot images set in the WFT-E2/E2A or E3/E3A is specified.

3 Click the [Change] button and specify the transfer destination folder.



4 Click the [ ] button.

➜Image transfer preparation is complete.

5 Take a shot.

➜If images are saved in the folder specified in step 2, they are transferred/saved in the folder specified in step 3.

➜DPP starts up and the images saved in the folder specified in step 3 are displayed.

You cannot specify the same folders in step 2 and step 3.

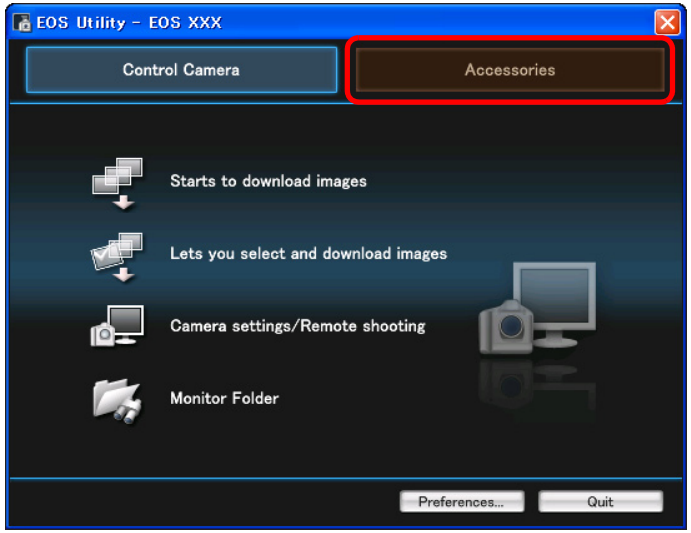
You can change the software that starts up in step 5, from DPP to ZoomBrowser EX or other software (p.37).

Function for Use with the Accessories

If you have the Wireless File Transmitter WFT-E2/E2A or E3/E3A (sold separately) or the Original Data Security Kit OSK-E3 (sold separately), you can start up the previously mentioned accessory software from EU. And you can also start up the Picture Style Editor (Picture Style file creating software).
For details on using the software for each accessory, refer to the instruction manual for the software. For Picture Style files, refer to p.18.

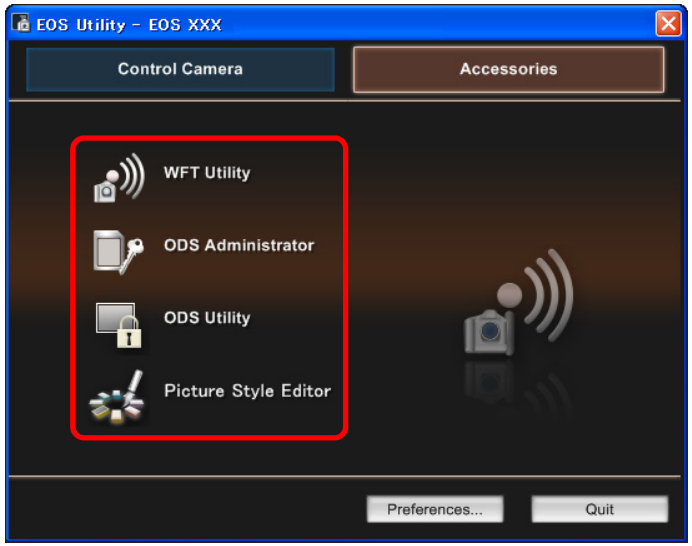
1 Connect your camera and computer, and then start up EU (p.5).

2 Click the [Accessories] tab.



➜The [Accessories] tab sheet appears.

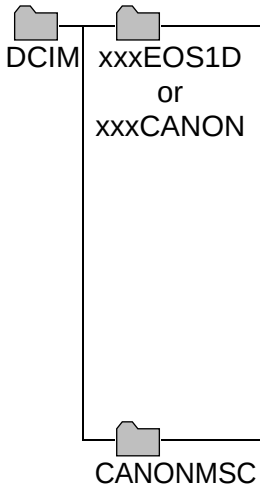
3 Click the software you want to start up.



➜The clicked software starts up.

Folder Structure and File Names in the Memory Card

Images shot with the camera are saved in the memory card's [DCIM] folder with the following folder structure and file names. Refer to the following when copying images to your computer using a card reader.



File name	Image type
****YYYY.JPG	JPEG image
****YYYY.CR2	RAW image
****YYYY.WAV	Audio file

- The camera specific character string set at the time of factory shipment or set in the camera appears in "****" of the file name.
- The "YYYY" in the file names represents a number between 0001 and 9999.

Contains a file allowing the camera to manage the images in the [DCIM] folder.

- The "xxx" in the folder names represents a number between 100 and 999.
- For the 1D series cameras, the folder structure is the same for CF cards and SD cards.
- When you perform DPOF settings on the camera, a [MISC] folder is created. The files that manage the DPOF settings are saved in the [MISC] folder.

When Adobe RGB is specified, the file names of images shot with your camera have an underscore "_" as the first character.

Uninstalling the Software

- Before starting the software uninstallation, exit all programs you are using.
- Log in under the Computer administrator/Administrator privileges when uninstalling the software.
- To prevent computer malfunctions, always restart your computer after you have uninstalled the software. Also, reinstalling the software without first restarting your computer is likely to result in computer malfunctions.

1 Click the [Start] button, select [All Programs] ([Programs] in Windows 2000) ▶ [Canon Utilities] ▶ [EOS Utility] ▶ [EOS Utility Uninstall].

2 Proceed with the uninstallation as directed by the on-screen messages.

➜The software is uninstalled.

Deleting the Driver (Windows 2000 only)

This section explains how to delete the driver in Windows 2000.

If you are using the camera in Widows Vista or Windows XP, it is not necessary to delete the driver as explained on this page because the OS driver is used.

- Log in under the Administrator privileges when deleting the driver.
- Before starting the driver deletion, exit all programs you are using and disconnect the dedicated cable from your computer.

1 Delete [EOS XXX PTP Driver].

- Your camera model is displayed in EOS XXX.
- Click the [Start] button ▶ select [Programs] ▶ [Canon Utilities] ▶ [EOS XXX PTP Driver] ▶ [PTP Driver Uninstall].

2 Proceed with the deletion as directed by the on-screen messages.

➜The driver is deleted.

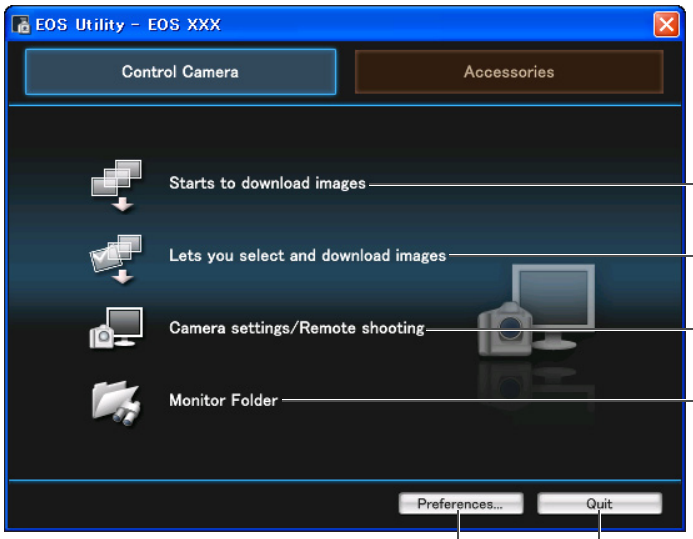
3 Restart the computer.

- When the restart dialog box is displayed on your computer, select [Yes, I want to restart my computer now] and click the [Finish] button.

➜When the computer is restarted, deletion of the driver is completed.

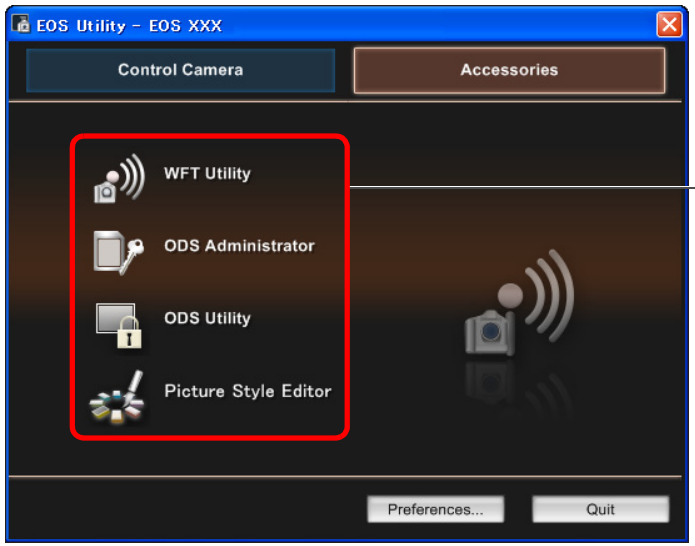
List of Main Window Functions

Control camera tab sheet



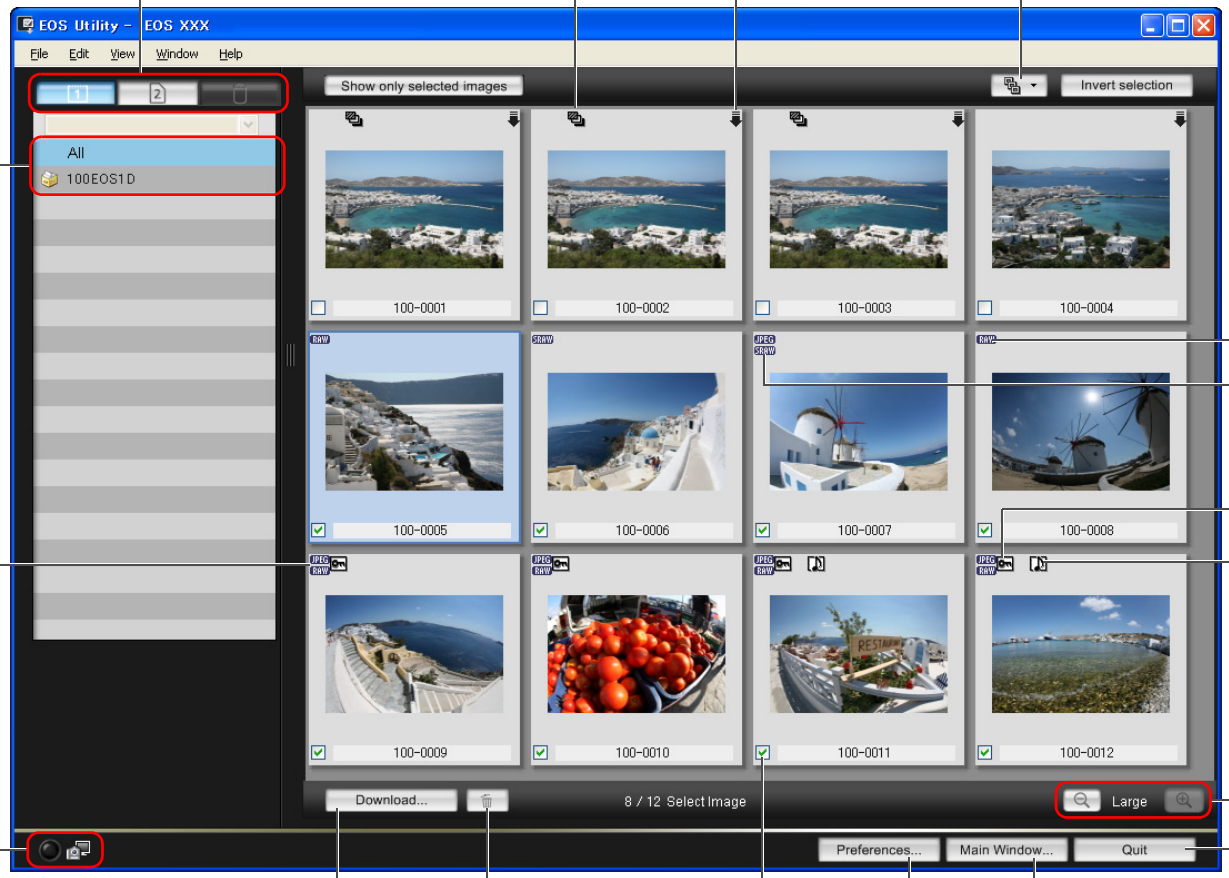
(p.6)
(p.7, p.46)
(p.25, p.48)
(p.41)
(p.36)
Exits EU (p.9)

Accessories tab sheet

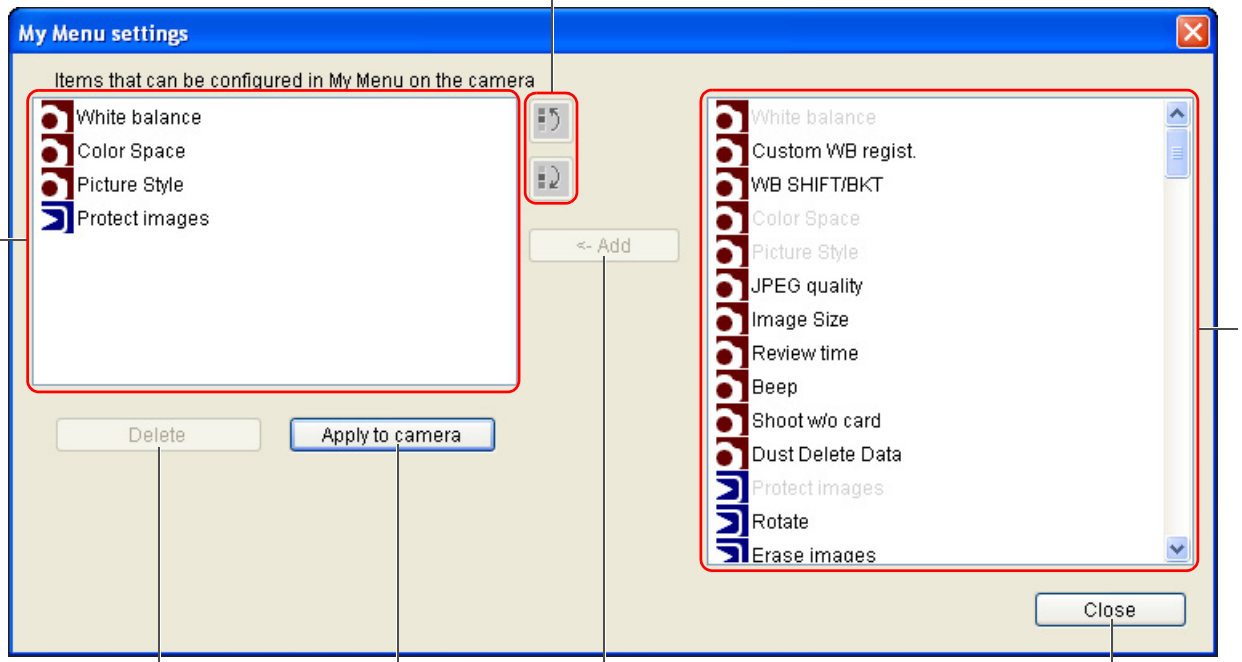


(p.42)

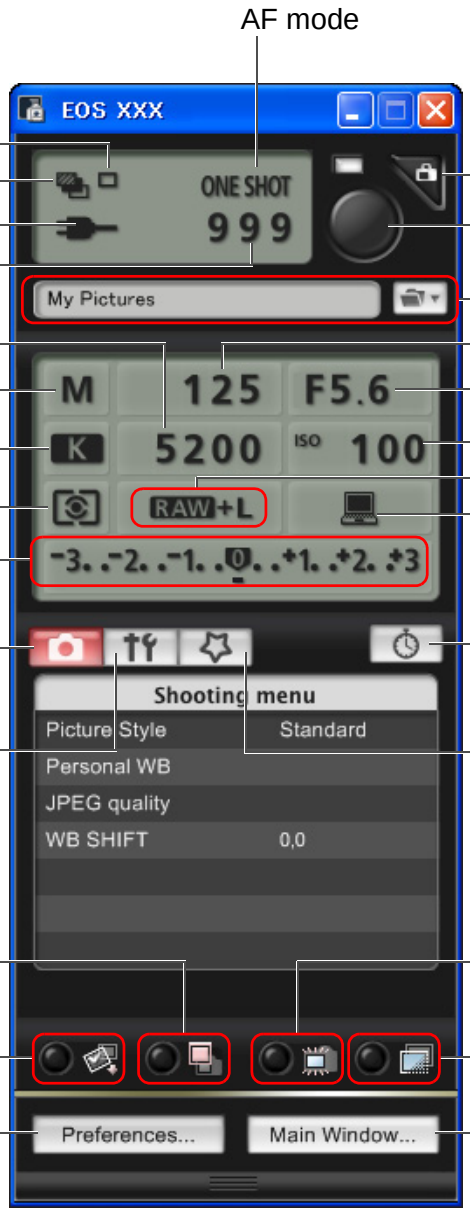
List of Viewer Window Functions (p.7 to p.8)



List of My Menu Settings Window Functions (p.21 to p.22)



List of Capture Window Functions



AF mode

Drive mode

Bracketing

Power status*2

Shots to go

Color temperature

Shooting mode

White balance

Metering mode

Exposure level

Displays the [Shooting menu] (p.14)

Displays the [Set-up menu] (p.12)

Shows/hides the [Quick Preview] window

Displays the viewer window (p.8, p.46)

Displays the preferences window (p.36)

Rotates shot image*1

Shoot button (p.26)

Save destination for shot images

Shutter speed

Aperture

ISO speed

Image recording quality

Savable destinations for shot images*3

Displays the timer shooting window (p.33, p.34)

Displays the [My Menu] (p.22)

Displays the [Remote Live View window] (p.26, p.49)

Displays the [Test Shooting] window (p.29, p.51).

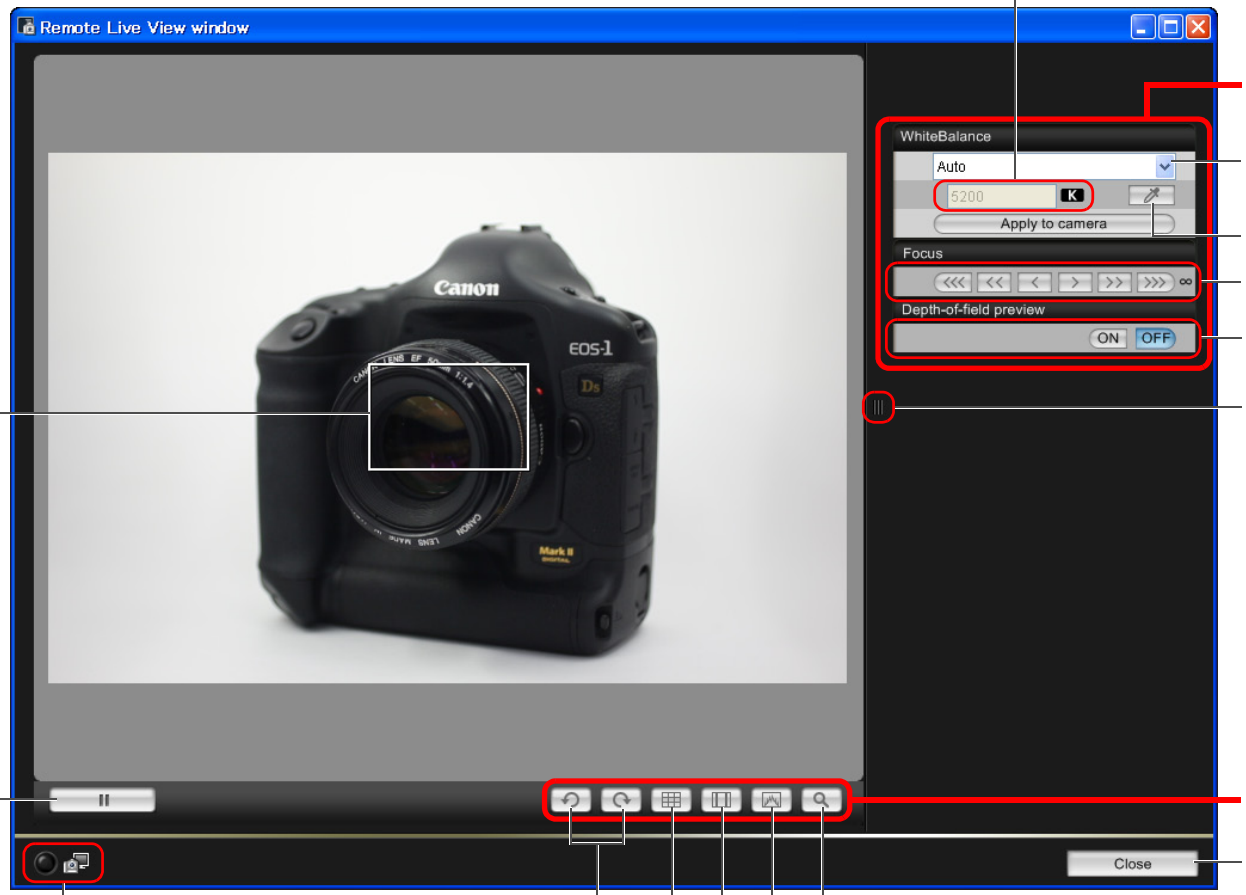
Displays the main window (p.45)

*1 Each time you click the button, the shot image rotates 90 degrees. To make this function available, checkmark [Rotate image] in the [Remote Shooting] tab sheet (p.37) in preferences.

*2 When using the battery, the charge level is displayed.

*3 You can select whether the save destination for shot images is only the computer or both the computer and the memory card inside the camera.

List of Remote Live View window Functions (p.25)



Sets the color temperature

Controllers 1

Selects the white balance (p.29)

Click white balance (p.29)

Lens drive (p.28)

Checks the depth of field (p.28)

Shows/hides the controllers 1

Focus frame

Starts/ends Remote Live View functions

Controllers 2

Closes the window

Displays the capture window (p.48)

Rotates the image

Displays the Zoom View Window (p.27, p.50)

Shows/hides the gridlines (p.31)

Shows/hides the histogram (p.26)

Sets the aspect ratio (p.31)

List of Zoom View Window Functions (p.27)

Moves the display position

Sets the color temperature

Controllers 1

Selects the white balance (p.29)

Click white balance (p.29)

Lens drive (p.28)

Checks the depth of field (p.28)

Display mode*1

Maintains display of the Zoom View window

Shows/hides the controllers 1

Moves the display position

Moves the display position

Starts/ends Remote Live View functions

Controllers 2

Closes the window

Displays the capture window (p.48)

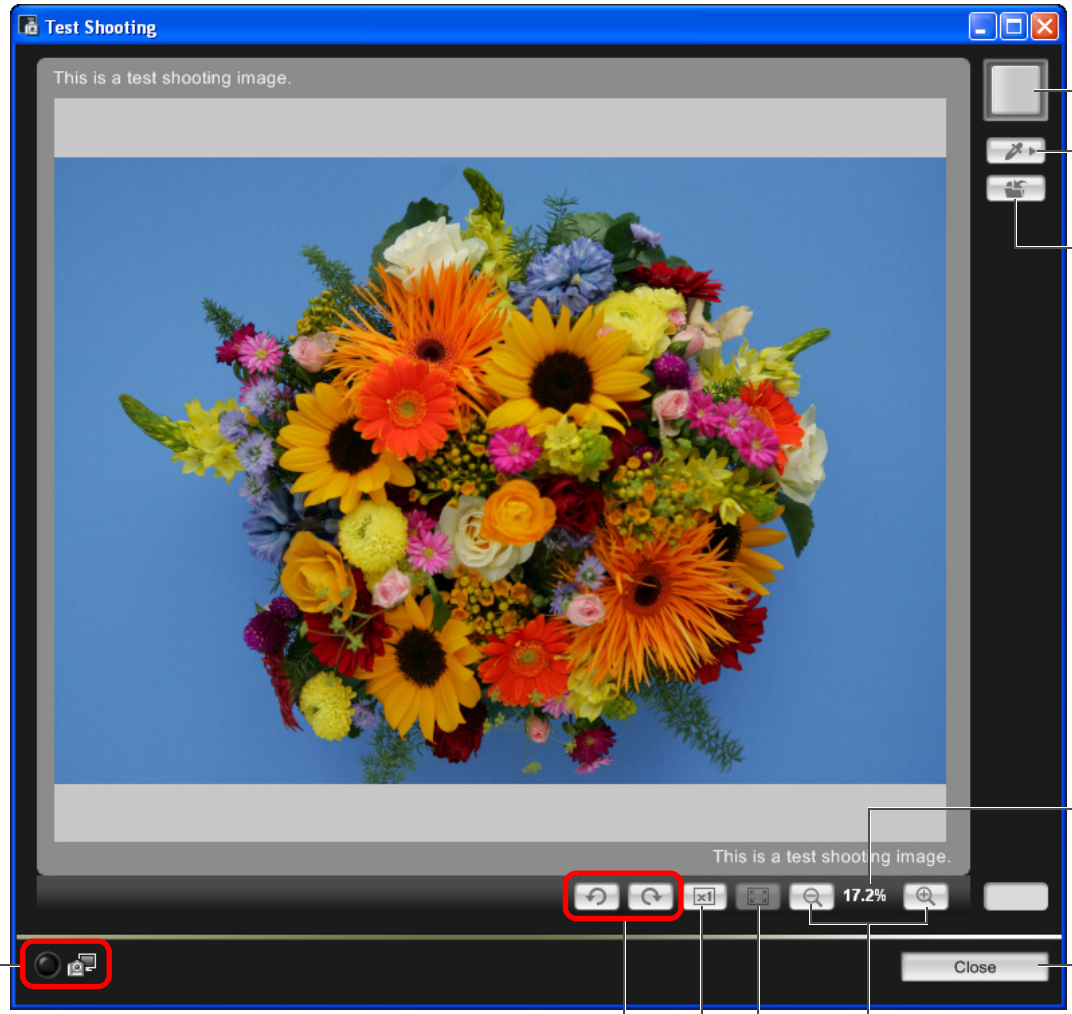
Rotates the image

Returns to the Remote Live View window

Moves the display position

*1 Clicking the [ ] button switches to a quality suited to focusing while viewing on your camera's LCD monitor; clicking the [ ] button switches to a quality suited to focusing while viewing on your computer.

List of Test Shooting Window Functions (p.29)



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